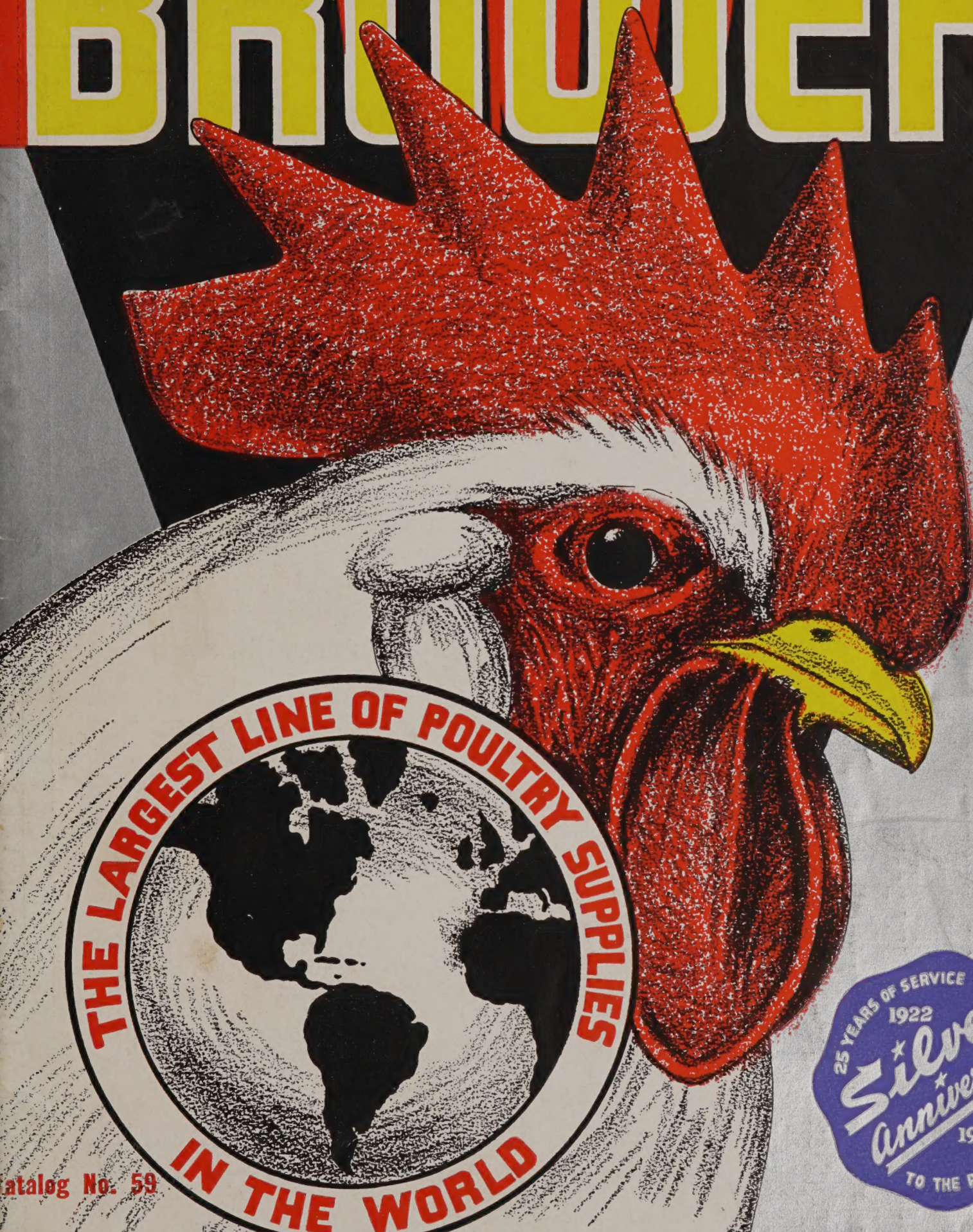
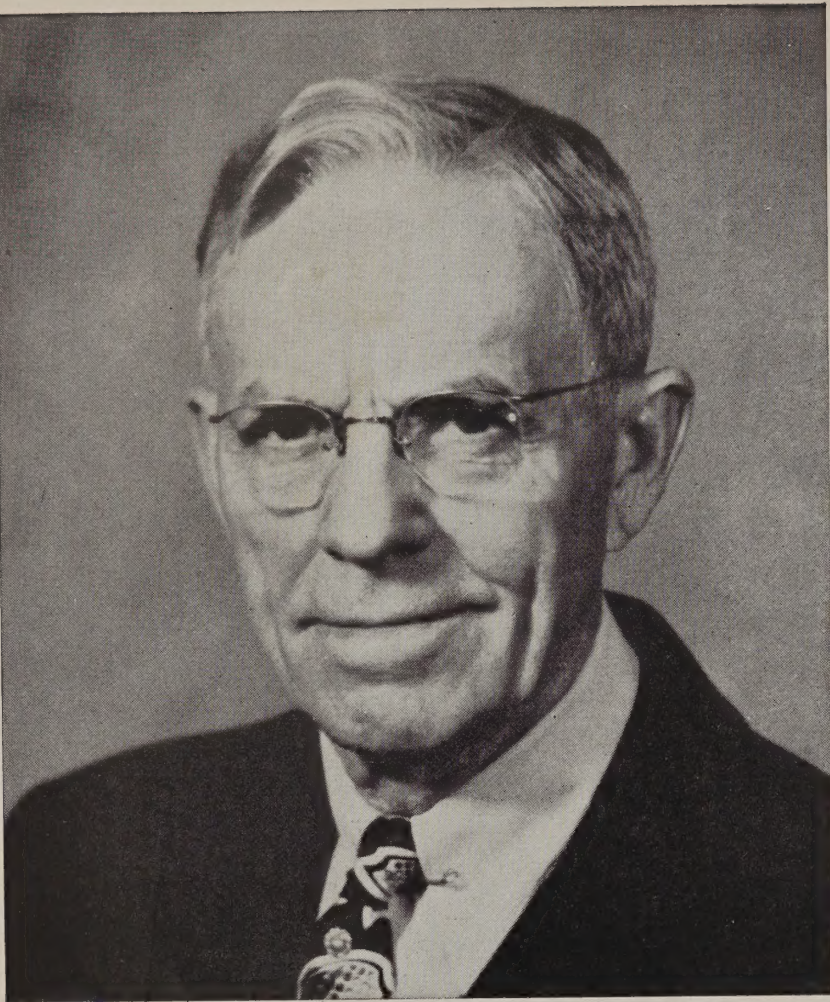


BROWER



Catalog No. 59

BROWER MANUFACTURING COMPANY
QUINCY, ILLINOIS, U.S.A.



Sept. 22, 1922 to Sept. 22, 1947 25th Year of Service to the Poultry Industry

W. J. Brower, Founder and President Brower Manufacturing Company, Quincy, Illinois

No history of the first 25 years of the Brower Manufacturing Company could be complete without the story of W. J. Brower himself—how he came to Quincy in the fall of 1922 and at the age of 48, started a poultry equipment business on a "shoe string".

Many of the early years were far from "easy picking", as the country's commercial poultry and hatchery business itself was in its infancy, and there were many equipment manufacturers bidding for their business. In fact, at the time "W.J." started, there were four other companies in Quincy alone that were manufacturing poultry supplies.

That W. J. Brower was able to overcome the first hurdles that beset his little business is a high tribute to his perseverance, intelligence, financial acumen and hours upon hours of plain hard work—helping develop new products, getting them manufactured and sending actually millions of letters, pieces of literature and catalogs to the poultrymen of this and foreign countries.

Because of the sound foundation laid by W. J. Brower, his company has grown and expanded to a tremendous degree. It not only was able to weather the worst depression in the nation's history, but also came through World War II with flying colors. At the same time, the Brower Manufacturing Company has gone right ahead with one progressive step after another, developing new products that save poultry raisers and hatcherymen untold hours of labor and countless dollars of expense. The growing company absorbed two other large poultry equipment manufacturing companies in Quincy, and has continually striven to obtain the very latest in modern

machinery, and use the most up-to-date manufacturing methods to produce poultry equipment of the highest possible quality at the lowest cost.

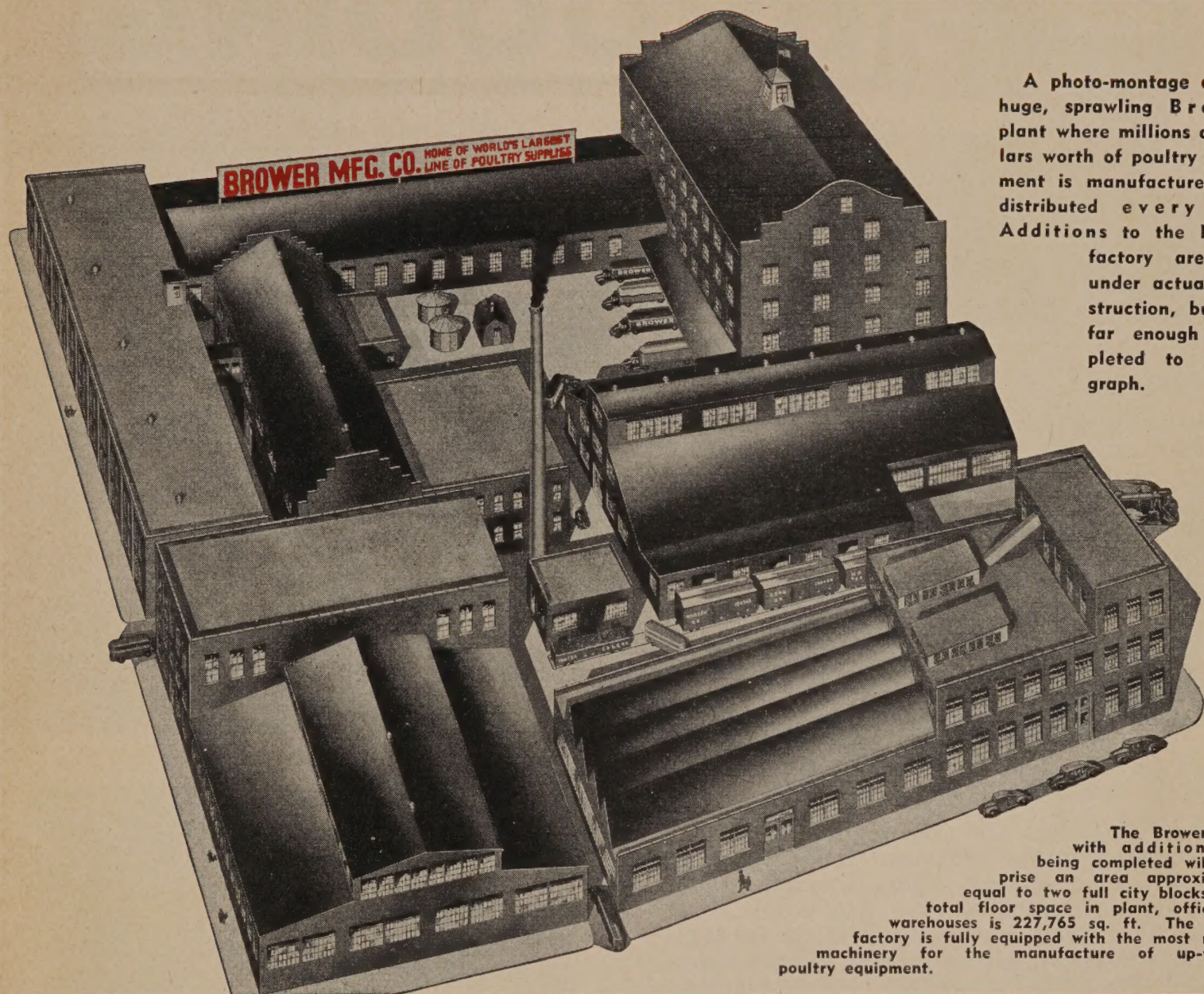
Today, Browers is continuing to expand—building new factory and office space to house its machinery and finished products, and provide a happy place to work for its growing family of 400 and more employees. There are more than 12,000 Dealers and Jobbers in the U. S. and foreign countries who regularly stock Brower poultry equipment. Upwards of 75 thousand catalogs are printed and distributed every year, along with hundreds of thousands of pieces of other literature. Truly, Browers has now become the giant of the poultry equipment industry, well qualified to make the statement "The Largest Line of Poultry Supplies in the World".

In this, its 25th year of service to the poultry industry, the Brower Manufacturing Company pledges to all customers to do its very best in your interest. Every item in this catalog is backed by the famous Brower 30-Day Trial Guarantee. (See Page 3.) Every possible money and time saving method that will be of use to the poultry industry is investigated by Browers. One of the newest items is the All-Brass Poultry Founts of which Mr. W. J. Brower and all of his associates in the company are very proud. We know you'll like them too, and you can find full information about them on page 67.

A few more of the highlights of the first 25 years of Browers are given on the back cover of this catalog.

Browers is highly appreciative of your business, and deeply feels the responsibility of serving your needs. Whether you are a large or small buyer—may you grow and prosper in 1947 and in future years—and may your friendship with Browers ever increase!

BROWER-QUINCY ILLINOIS



A photo-montage of the huge, sprawling Brower plant where millions of dollars worth of poultry equipment is manufactured and distributed every year. Additions to the Brower factory are now under actual construction, but not far enough completed to photograph.

The Brower plant with additions now being completed will comprise an area approximately equal to two full city blocks. The total floor space in plant, office and warehouses is 227,765 sq. ft. The Brower factory is fully equipped with the most modern machinery for the manufacture of up-to-date poultry equipment.

**Read
Brower's
Famous
30-Day Trial
Guarantee
At Right—
It Is YOUR
Protection!**

30-Day Guarantee

We guarantee every article to be as represented and to do what we claim. Use any Brower item for 30 days. If it does not do as we represent or claim, we will make good by replacing the merchandise or refunding full purchase price.

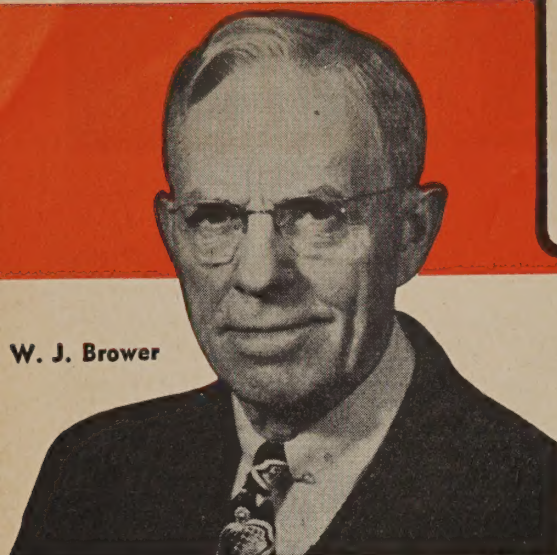
This Guarantee on Brower products has made the Brower Manufacturing Company one of the world leaders in the Poultry Supply Line.

The best evidence to prove that the Brower Line of Poultry Supplies will do all, or even more, than we claim, are the many letters of endorsement from customers that use Brower Equipment.

W. J. Brower, President.



BATTERY BROODING



W. J. Brower

When you look into the records of most successful business firms, you will invariably find that they have a quick turnover of merchandise. Broilers raised in Brower Battery Brooders, when properly cared for, will bring cash returns each week after the first 8 to 10 weeks. Brower Battery Brooding is the most modern and efficient way to raise delicious tasting broilers and fryers. Started chicks, pullets and poults are also very popular and demanded by many buyers. Brower batteries are ideal for starting chicks and poults. Broiler producers and poultrymen have found the use of Brower Battery Brooders indispensable in their brooding program where efficient methods are employed. They save feed and labor, and add considerably to your net weekly profits.

Dear Friends:

The following pages present Brower's 1947 line of Batteries. This line is not as complete as formerly but we will soon be adding a number of other starting, growing and finishing batteries, heated by electricity, oil, gas and coal. It is Brower's aim to furnish Brower Battery Brooders suited to small capacity production—25 to 50 weekly capacity for city, town and suburban homes—as well as for large commercial broiler plant operators.

If there is any question in your mind about which brooders you will need, write us and let us make a recommendation. Tell us the purpose you have in mind. Send us sketch and dimensions of your building and advise how many broilers you wish to raise a week . . . in short, tell us all about it.

Brower Engineers will then prepare an estimate for you, listing all the equipment you will need and will mail you a quotation. There is no obligation or charge attached to this service. You simply get the benefit of our years of experience in the raising of broilers in batteries, raising poultry for egg production, and 25 years in the poultry equipment business. After you look over the material we send you, you may buy or not, just as you decide.

Yours for success,

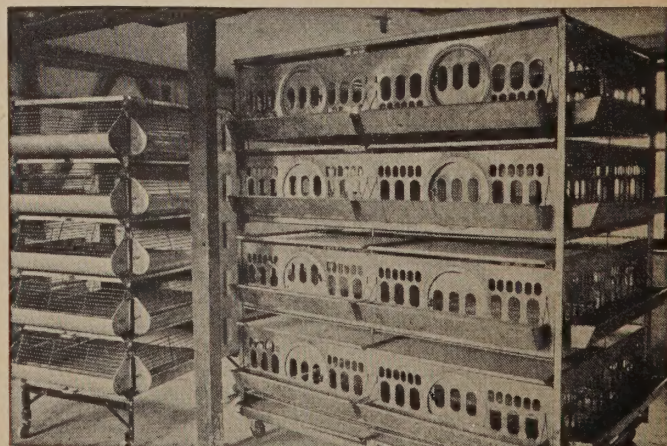
W. J. BROWER,
President.



Philip Castelnovo of Franklin, Massachusetts, is highly pleased with his Brower Broiler Plant, shown above.



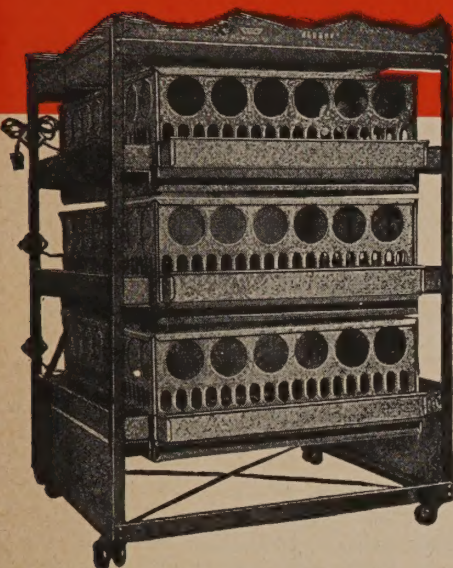
A long row of Brower Batteries in daily use at Mohlin's Steak House, Port Arthur, Texas.



Reuben L. Ulmer of Dawson, Nebraska, is highly pleased with his Brower equipment. (See testimonial on Page 14.)

The following pages contain important information — read them carefully. Find out how Broiler producers and poultrymen have increased their incomes by using Brower Equipment. Modern methods and equipment were required to accomplish these results. We are happy to have contributed to these advancements by furnishing practical, efficient Battery Brooding Equipment.

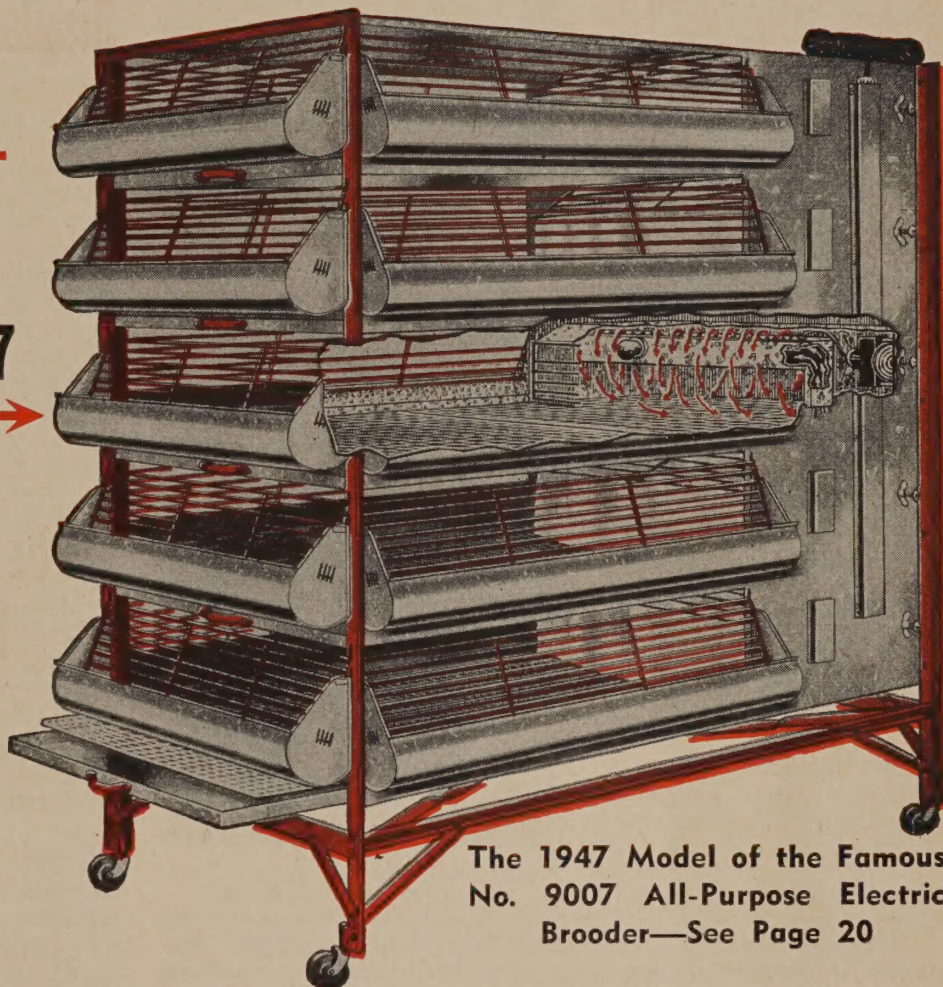
OUT IN FRONT SINCE 1928



One of the First Brower Batteries Back in 1928

1928

1947



The 1947 Model of the Famous No. 9007 All-Purpose Electric Brooder—See Page 20

BROWER— A Pioneer In Battery Brooding

Way back in 1928 we offered Brower Battery Brooders to poultrymen. In every line of endeavor, there is always a leader in the field—one who has contributed a new and better method or has designed an outstanding piece of equipment. For the past 19 years, Brower has designed and manufactured Battery Brooding Equipment and was one of the first to offer a practical battery. Since that time, many improvements have been made . . . Brower has always kept step with progress. Since 1928 millions of broilers have been raised in Brower Broiler Plants. All battery equipment is thoroughly tested for a period of time before it finds a place in Brower's Catalog. Brower Equipment is proven before it leaves our plant—the testing of the equipment is not left to the purchaser.

Early Models Still In Use

Through the years people in all walks of life have found the installation of Brower Batteries a good paying investment, whether used for raising broilers or just starting chicks or poults. Many of the first Brower Batteries (1928 models) are still in use today. They are still giving dependable service after 18 years of use. True, there have been many improvements, but the quality construction was the same then as today. Brower Batteries, like every item in the line, are built to give years and years of service and are fully guaranteed by Brower's broad guarantee of satisfaction as explained on page 3. Here are just a few of the many advantages a Brower Battery offers:

- Less floor space required.
- You have a chance to raise better chicks.
- Your labor is reduced.
- Helps to lower mortality.
- Helps to eliminate feed waste.
- Opportunity for weekly income.

THE BATTERY WAY IS THE EFFICIENT WAY

1. A Weekly Income

In only 8 to 10 weeks after your first bunch of chicks are placed in a Brower Battery your income from the sale of broilers starts. You don't have to wait several weeks or months before your income begins, as you have a turnover of broilers each week. In hardly no other line of business can you receive such a quick return on your investment.

2. Helps to Cut Mortality

The battery method of brooding enables you to raise a greater number of chicks than with older, out-of-date methods. The chicks are confined on sanitary mesh floors—no chance of contamination through the droppings. Even temperatures are easily maintained, and the batteries being of rigid steel construction can be thoroughly cleaned and disinfected after each brood of chicks. **BROWER BATTERIES HELP REDUCE MORTALITY.**

3. Fast Growth

It is not uncommon today to raise broilers with proper feed and care, to two pounds and larger in 8 to 10 weeks or less in batteries. Having only clean feed and water before them, the birds develop rapidly in batteries. As battery broilers do not develop as large a frame as birds on range, more of the feed consumed goes into developing flesh on the bird rather than bone structure.

4. Helps to Reduce Feed Cost

Every poultryman these days is anxious to reduce feed waste for feed is the biggest cost item in the broiler

business. All Brower Batteries are equipped with large feed troughs and guards which help to prevent feed waste. Reducing feed waste, of course, means a lower cost of production which should result in greater profit.

5. Helps to Reduce Labor

The battery method of raising broilers is the systematic way. All of the work around the Battery Broiler Plant can be done in an efficient manner, resulting in a saving of time and labor. Like a modern factory, you are operating on a production basis and labor or time saved is money earned. Brower Batteries will help reduce the labor of raising broilers.

6. Less Housing Space Required

Unlike older methods of raising broilers, a large building and range is not required. A building only 12x20 ft. provides ample floor space for a Brower 100-a-week capacity plant, whereas a building many times larger than this would be required if the birds were raised on floor or range. This fact is a big advantage where land is in the high-priced brackets.

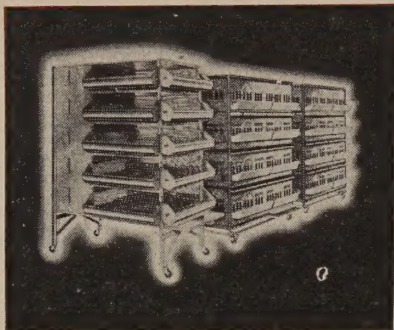
7. Sanitation Control Easy

Where birds are raised on the floor it is practically impossible to thoroughly clean and disinfect every crack and crevice of the house. Brower All-Metal Batteries can be taken apart for a thorough cleaning when needed. Wire floors and drop pans are easily removed for routine cleaning.

BROWER BATTERY BROODERS HAVE MANY USES

Broiler Plants

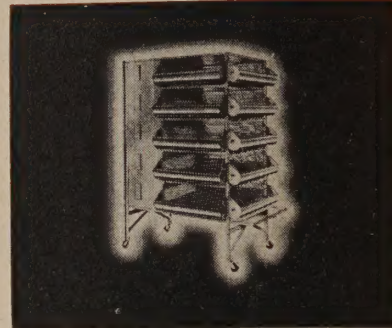
One of the most popular uses of battery brooders is for broiler and fryer production. Chicks raised in batteries reach broiler size quickly (in just 8 to 10 weeks), and can be supplied to a waiting premium market every week in the year. Here is illustrated Brower's 100-a-week capacity plant—our most popular size plant. See page 15 listing various capacity broiler plants—there is a Brower Broiler Plant to fit your requirements. Many of the most successful broiler plants started with a small plant. The convenience and easy operation of Brower Batteries makes it possible to care for the plant before and after work. Children, too, enjoy taking care of a battery broiler plant. Only a small investment starts you in this good paying business.



100 Per Week Plant

Starting and Display Brooders

Battery Brooders originally came into use in hatcheries for handling surplus chicks and were called storage brooders at that time. Hatcherymen found batteries the most convenient method of brooding chicks. Today batteries are used by thousands of hatcheries and poultrymen for supplying started chicks to their customers. Batteries also provide hatcherymen and feed dealers with a convenient, effective method of displaying baby chicks. The use of batteries enables the hatcherymen to brood chicks with less mortality at much less feed and labor cost than is possible with other methods.

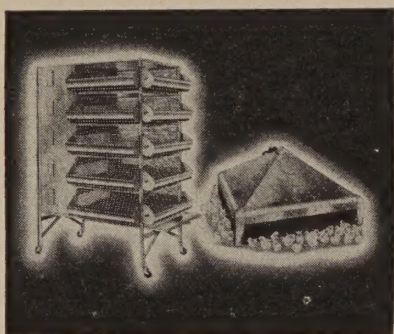


5-Deck Brood-Mor

For Starting Chicks

Anyone who has operated a floor type canopy brooder knows the amount of care required the first few weeks in getting the chicks started. Many can recall those evening or early morning visits to the brooder house to see if everything was all right. Here is one of the biggest advantages of starting your chicks in a battery brooder—your labor is reduced. And yet, you know that your chicks are being taken care of in your Brower Battery Brooder.

Hundreds of poultrymen raising both broilers and pullets once or several times during the year, find a starting battery dovetails very nicely with their present equipment. The chicks are brooded in the starting battery over the dangerous period (first 3 or 4 weeks)—the pullets are then removed and placed under a floor brooder, and the cockerels battery finished for market.



Brood-Mor Starting Battery and Watt-Saver Electric Brooder

For Starting Poult

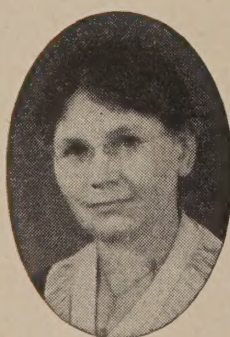
The use of Brower Batteries has enabled turkey raisers to brood poults with a lower mortality rate. By brooding poults in batteries on wire floors, it is possible to eliminate the dreaded black head disease which is spread through the droppings. Most turkey raisers are using batteries for starting the poults for the first two or three weeks and then placing them under a floor type brooder. With proper management it is possible to greatly reduce the mortality in poults during the starting period, and save feed. Every poult saved means extra profits for the turkey raiser, and in addition you have all the other advantages of using a Brower Battery. Regardless of outside weather conditions your poults can be safely started indoors in a Brower Battery.



5-Deck All-Purpose

MRS. MAYFIELD STARTS ALL HER CHICKS IN A BROWER BATTERY

"It's June in February"



Mrs. Alfred W. Mayfield

Since way back in 1929 Mrs. Alfred Mayfield of Carlinville, Ill., has started her chicks in a Brower Battery Brooder.

After many years of operation, we asked Mrs. Mayfield how she liked her Brower Battery. Here is her reply.

"When you start chicks in Brower's Battery Brooders to have them ready to fry in April to show at State Fair in August; and to lay eggs in September.

"It is only because the chicks may be started so early in the brooder that the above three points may be attained. Because it is so easy to attend to a Brower Brooder in our own basement in mid-winter, the chicks are never neglected, nor are we exposed to inclement or zero weather in the frequent trips to 'see about the chicks'.

"One does not have to have 110-volt electricity or oil or gas to use the brooder in a good building, though some folks are fortunate enough to have their choice of fuels. We have used a coal heating stove for room heat, augmented by a 32-volt blue bulb in each tier or drawer.

"The greatest mistake one can make is to put too many day-old chicks in a section. After about a month, our chicks graduate to our insulated, ventilated brooder house over in the orchard, and the battery brooder is refilled with chicks sometimes three times a season.

"Two portable shelter houses care for the pullets out on range, when the cockerels go to market. Permanent laying houses, one of hollow tile and one of stone, house the flock at maturity.

"At the end of the brooding season the battery is cleaned, disinfected, oiled and wrapped up from dust. Our brooder has been used over ten years. Not one wire or piece of metal has rusted or depreciated—a tribute to the quality of steel Brower uses. The initial cost of a Brower Battery Brooder, divided by the number of years it may be used, makes it a cheap investment, with assured annual dividends."

"Cordially yours,

"MRS. ALFRED W. MAYFIELD,
"Carlinville, Illinois."

A STEADY WEEKLY INCOME: WITH YOUR OWN BROILER BUSINESS

FOR THE FARMER

Farmers and their wives find that a Brower Broiler Plant will augment their incomes. They do not have the long period of non-production as with field crops, hogs and cattle. In many cases the broiler plant will bring in more money than other agricultural enterprises—then, too, it's an all-year-round business instead of a one-sale-a-year business. The revenue from the farm can all be put into other investments. A Brower-Equipped Broiler Plant, properly operated, is one method of practical farm relief! As it provides a source of steady weekly income, same as the milk cows.



FOR THE COLLEGE BOY

For a college student the broiler plant is the thing. It not only enables the student to have an income, but in addition he will acquire an abundance of practical poultry knowledge in the operation of the plant. The merchandising of the broilers at a good price will be found an easy matter in almost any college town. The care of the plant need not interfere with the student's studies, as a few hours each day before and after school hours, easily cares for the plant. The raising of poultry has been the means by which both young men and women have secured a most valuable asset—a college education.



FOR THE MECHANIC

People in all walks of life are operating Brower Broiler Plants. For the mechanic, a battery broiler plant provides relaxation from his daily work. A few hours each day will take care of the broilers in fine shape. Then later on, as the business expands, you can devote your full time to a business of your own. Remember that your battery raised broilers are superior to tough, stringy, range fed broilers. You should have no difficulty in obtaining a nice premium for your battery raised broilers.



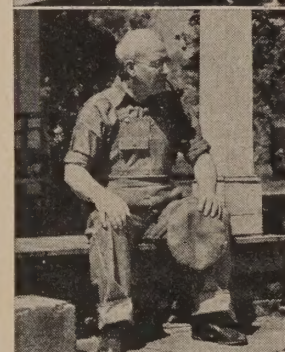
FOR THE OFFICE OR BUSINESSMAN

With only a small investment the businessman or office worker can get started in the broiler business and increase his present income. You can install it at home and your wife or boy can run it for you. It will take very little of their time and will not tire them. The marketing end of your business can be taken care of on Saturday afternoons, or by some member of your family during the week. Many office workers have started this way, and the demand has been so great that they are now devoting their full time to a good-paying business.



FOR THE RETIRED MAN

Many persons have completed an active business or professional career and have then looked about for a profitable business suited to them not taking too much time or effort. A Brower Broiler Plant is the perfect answer for these folks. Many retired workers have started in this manner and in a comparatively short length of time have developed a big demand for tender, battery raised broilers.



FOR THE SHOP WORKER

With the wage and hour laws in effect, the store or factory worker will have more time available. If you have a little capital—enough to get started, your wife or any member of the family can operate the brooders while you are at work. It will take only a little of their time and you can market the broilers on Saturday afternoons. In this way, you should increase your income.

A Brower Broiler Plant is the ideal way for a G.I. veteran of World War II to go into business for himself. Ex-soldiers, sailors and marines can use their G.I. benefits or bonuses to quickly set themselves up in a profitable business in which the returns are quick and sure.



HERE IS YOUR ESTIMATED WEEKLY INCOME

Approximate Cost of Producing a 2-Pound Broiler

Average Day-Old Chick Cost.....	\$0.10
Six Pounds of Feed at 3½c.....	.21
Fuel Expense.....	.01
Interest and Mortality.....	.01

Approximate Production Cost.....\$0.33

Rate Per Pound.....	\$ 0.22	\$ 0.24	\$ 0.26	\$ 0.30	\$ 0.35	\$ 0.40	\$ 0.45	\$ 0.50	\$ 0.60
Selling Price, 2-lb. Broiler....	.44	.48	.52	.60	.70	.80	.90	1.00	1.20
Estimated Production Cost of 2-lb. Broiler	.33	.33	.33	.33	.33	.33	.33	.33	.33
Estimated Profit Per Broiler..	.11	.15	.19	.27	.37	.47	.57	.67	.87
Estimated Income 100 Broilers Weekly.....	11.00	15.00	19.00	27.00	37.00	47.00	57.00	67.00	87.00

FIGURING PRODUCTION COSTS

In figuring the production cost given above, we have taken into consideration the cost of the day-old chick, expense for feed and fuel, the interest on investment and, have made allowance for mortality. The cost of 10c for the day-old chick, given here, is an average throughout the year. It should be noted, however, that sexed day-old cockerels can often be purchased at from 3c to 5c each, and will increase profits 5c to 7c per broiler. You can contract with reliable hatcherymen for the amount of chicks you need weekly.

Don't make the mistake of buying "cheap" chicks—on the other hand, you need not buy pedigreed chicks. If possible buy sexed cockerels. They develop quicker than pullets. For feed, we recommend a good commercial battery broiler mash. All of the well-known feed mills are now furnishing a mash containing all the necessary ingredients for feeding chicks in batteries. No other feed is necessary. Some operators mix their own feeds and find it possible to save money by so doing. If interested in grinding and mixing your own feed, see pages 50 to 56, describing Brower Whirlwind Hammermills and Feed Mixers.

Greater Profits

Let BROWER HELP YOU

Facts to Consider in Selecting Your Broiler Plant

- **AMPLE FLOOR SPACE**
Refer to page 9 and note the recommended floor space in batteries for different age birds. Ample floor space for chicks and broilers are provided in all Brower Battery Plants.
- **SUFFICIENT FEED AND WATER SPACE**
Ample feeding and watering space in batteries is very important. Note that all Brower Batteries are supplied with feed and water troughs of the proper size for various birds.
- **PROPER VENTILATION**
The Air-Flo principle of heat distribution introduced by Brower provides a circulation of air without drafts inside the brooding area at all times. In other Brower Batteries ample provision has been made for ventilation.
- **PROPER CONTROL OF TEMPERATURE**
The brooding temperature in Brower Electric Batteries is controlled by a magnetic snap-acting control which does not cause radio interference. It will operate within ½ degree accuracy.
- **CONSTRUCTION AND SANITARY FEATURES**
All Brower Batteries are of metal construction throughout and can be easily cleaned and thoroughly disinfected. Features are incorporated in Brower Batteries to enable the operator to maintain strict sanitary conditions.
- **REPUTATION OF MANUFACTURER**
Our many years of experience in the Battery Equipment business places Brower in a position to help you in every possible way. Brower stands squarely back of every Broiler Plant. Read the Brower guarantee on page 3.

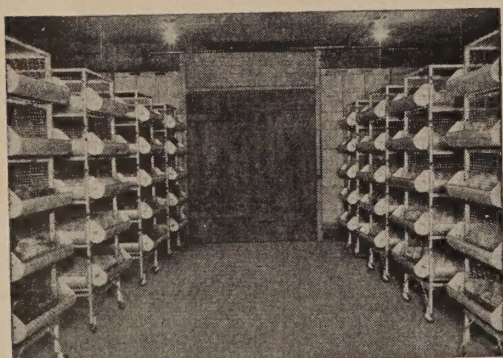
Let Brower Help You Get Started in Broilers



The building illustrated to left shows a modern house built according to Brower designs and specifications. This house is 22 ft. wide by 150 ft. long, Brower ventilated, cement floors, and insulated at ceiling and walls. A space is provided on left end of house for feed storage, also cleaning and dressing room. While a special building of this type is recommended you can use a building or barn you already have by making the necessary alterations and installing the proper ventilating equipment.

Hundreds of folks interested in raising broilers have come to Brower for help and guidance in getting started. Whether you are planning on a large or just a small broiler plant we feel confident we can help you the same as we have done for hundreds of others. Many have started with just a small broiler plant and developed into a large capacity plant as illustrated on this page.

A sixteen page booklet "Manual of Operating Instructions" is furnished with every Brower Broiler Plant. This informative booklet is based on Brower's 19 years' experience in both the manufacture and operation of Battery Equipment, plus the experience of hundreds of Brower users from coast to coast. Of course, the Brower Service Department is ready to help you at any time with any special problems.



A Large Chick Starting Room Filled With Brower No. 9007 Batteries

Above is a view of a neatly arranged chick starting room. The All-Purpose Electric Starting Batteries installed in this room start the chicks for the first three weeks. Chicks properly started put more dollars on the profit side of the ledger. Proper ventilation without drafts is very important in the starting room. For plants having a capacity of more than 150 broilers per week a separate starting room is recommended.

Use Brower Modern Equipment to Get Results

This is the age of production and regardless of whether you are making nails or doughnuts, your cost of production must be as low as possible. That's why so many Brower Broiler Plants are in use—users have found that it takes modern equipment to raise quality broilers to market age in the quickest time at the lowest cost for feed, fuel and labor.



One Side of a Finishing Room Showing No. 4216 Batteries

In the room above, hundreds of chicks from four weeks up to broiler size are finished for market. Quick growth is very essential to success in the broiler business. Brower Growing and Finishing Batteries (see page 17) are designed from our years of practical knowledge in the raising of thousands of broilers. In addition to proper development of the broilers with less mortality in less time at a lower labor, feed, and fuel cost per pound, which adds to net profits, Brower Batteries are also designed for convenience of the operator.

SELECT YOUR BROILER PLANT

Not Necessary to Construct a Special Building

Faced with loss of health which necessitated giving up her clerical job in a downtown business office, Miss Mae Kratke of Pueblo, Colorado, turned to poultry raising in batteries—something which then she knew nothing whatever about. Miss Kratke has had very outstanding success with Brower batteries used in a small building, just an ordinary garage.

At first she started with 500 chickens raised on the floor of a small building, and her feeding costs were \$120 a month. Now with Brower battery brooders, she can feed 1,000 chickens for \$60 a month, besides obtaining a cleaner chicken.

Using the battery method, she can produce a 3-lb. fryer in 8 weeks. Formerly on the ground it took 3½ months to raise one that large. The capacity of her home broiler plant is now 2,500 baby chicks a month, and they are all kept in Brower batteries throughout their short span of life. Feed and water are constantly available, lights are on all night, and there is a constant temperature for the chicks.



A Small Investment Offers Big Returns

Perhaps you already have a building suitable for installing a broiler plant. A small building will produce hundreds of broilers weekly by using a Brower Broiler Plant. In most cases it will not be necessary to construct a special building. A Brower Broiler Plant can be successfully operated in most any building properly heated and ventilated.

A coal, gas, wood, or oil heated brooder stove with the canopy removed can be used to heat battery rooms or small brooder houses, housing a 25 or 50 per week capacity

Broiler Plant. Ordinary home heat circulators may be used if a fairly even temperature can be maintained.

A room temperature of around 70 degrees is recommended during cold weather for the building in which Brower Battery Equipment is operated. Our Engineering Department will be glad to cooperate in recommending the proper ventilating and heating equipment for any type of building you may have available. Write us today sending sketch giving dimensions of your building. See plans on pages 10 and 11 if it is necessary to construct a special building.

Recommended Floor Space Required

To Determine the Capacity of Any Battery Use Table Below

Age in weeks	1	2	3	4	5	6	7	8	9	10
Square inch space required per chick	7	10	13½	20	24	30	36	39	42	48

A Waiting Market In Most Every Community

In most any community in the country there is a good sale for quality broilers. Roadside inns, restaurants, clubs, hotels, and private homes serving broilers as a specialty the year 'round—offer a big market to broiler raisers. Thousands of roadside inns use several hundred or more broilers per week. Think of the big market which can be yours. There is, no doubt, a good paying market this year 'round in your vicinity. Read Customers' letters, pages 14 and 15.

The buying public is demanding quality, uniform, broilers—

the kind you can produce in Brower batteries, and this demand has been increasing every year. Eviscerated or ready-to-cook broilers and quick frozen birds have opened up a tremendous new market. Supply this demand and you can build up a year 'round business of your own with a nice weekly income. Someone in your community will no doubt do this—it may as well be you. Opportunity is here today—why wait until tomorrow to open the door—some say tomorrow never comes. We must take advantage of our opportunities.

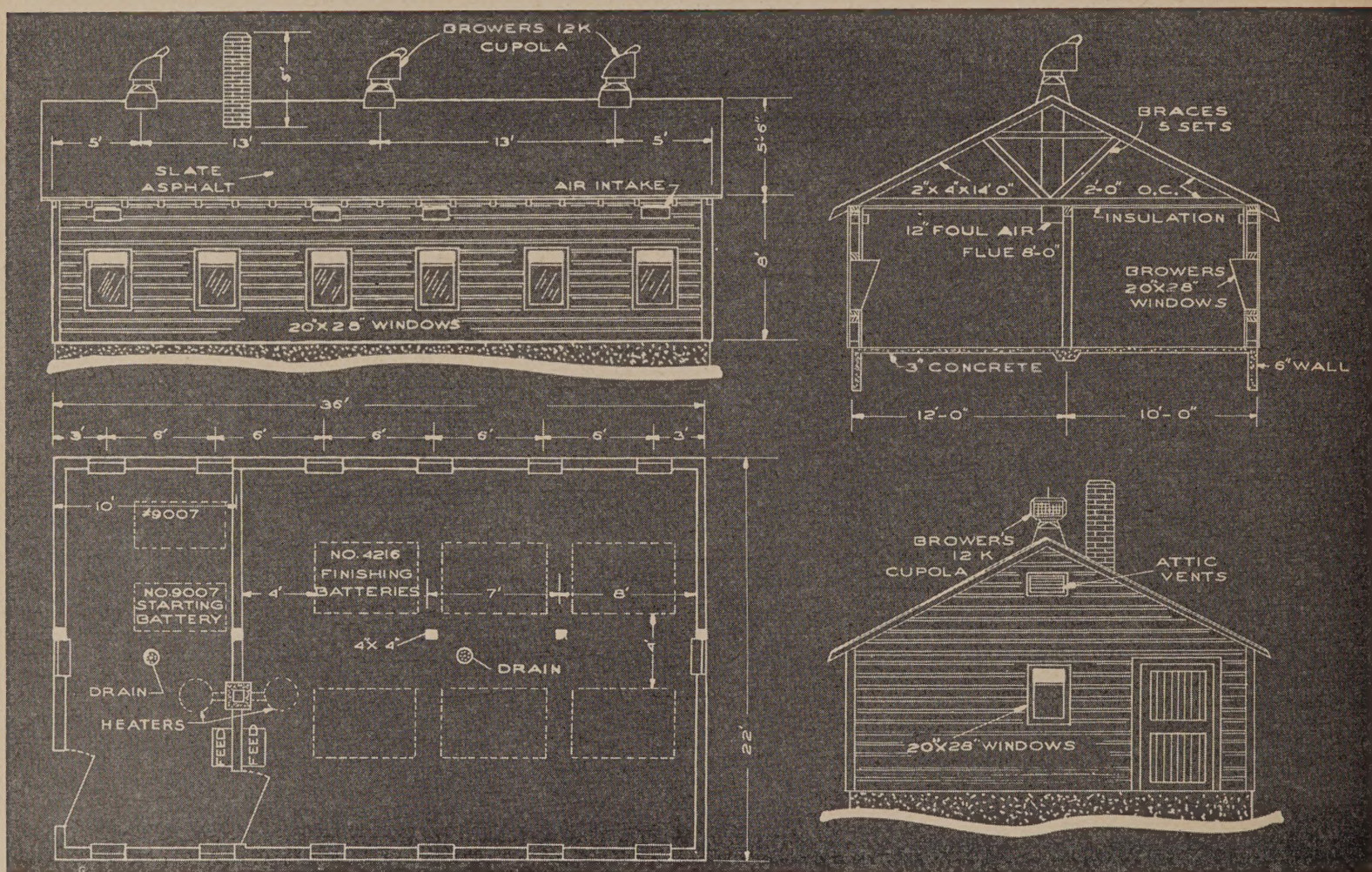
Free!

ENGINEERING SERVICE FOR BROILER PLANTS

Brower Broiler Plants will operate successfully in any building large enough to accommodate them. Some of our customers use a building they already have available. If you have a building, garage or basement available, all you need do is simply alter it to comply with our plans for floor installation and ventilation. When constructing a new building for your Brower Broiler Plant, avail yourself of the help offered by Brower's Service Department. Many customers are using pre-fabricated buildings with good results. The illustration below shows the type and size of house recommended for the 300-per-week capacity Brower Broiler Plant. No. 7615 Electric Starting Batteries, or Brower Humideck Hot Water Starters (not now manufactured), may also be used in place of the No. 9007 Starting Batteries. To properly ventilate this 22x36 ft. building, three No. 12-K Revolving Roof Ventilators, three No. 12-B Foul Air Flues and fourteen No. 2028 Ventilating Windows are recommended. The addition of the eight No. 100-K Fresh Air Intakes, shown in the plans, will increase the efficiency of this ventilating system, especially during cold weather.



BROWER OFFERS FREE BUILDING PLANS



House and Ventilation Requirements for Various Size Plants

Weekly Broiler Capacity	Size of Building or Room Required	Proper Ventilating System to Use		
		No. 12K Cupolas	No. 12B* Flues	No. 2028* Windows
Using Electric Heated Starters				
25 to 50 Broilers	10x12 ft.	1	—	4
100 Broilers	12x20 ft.	1	1	8
200 Broilers	12x30 ft.	2	2	12
300 Broilers	22x36 ft.	3	3	14
Using Humideck* Starters				
250 Broilers	22x36 ft.	3	3	14
500 Broilers	24x60 ft.	4	4	20

* Not manufactured at present.

When the chicks are four or five weeks old, they have started to feather and are then transferred to the top compartments of the non-heated Growing and Finishing Batteries. A room temperature of about 70 degrees is recommended. Where the Humideck Hot Water Starting Brooders are used, pipe coils should be installed along the walls in the growing and finishing room, to bring up the room temperature. With Electric or Oil Heated Starting Brooders, an auxiliary heater must be used in the growing and finishing room during cold weather.

With each complete Brower Broiler Plant ordered, we furnish a special booklet giving complete instructions for assembling and operating the equipment. This booklet also contains valuable information and instructions for killing and dressing broilers, and points out various ways to increase your earnings by direct selling.

PROVIDE

Fresh Air

WITH A BROWER VENTILATION SYSTEM

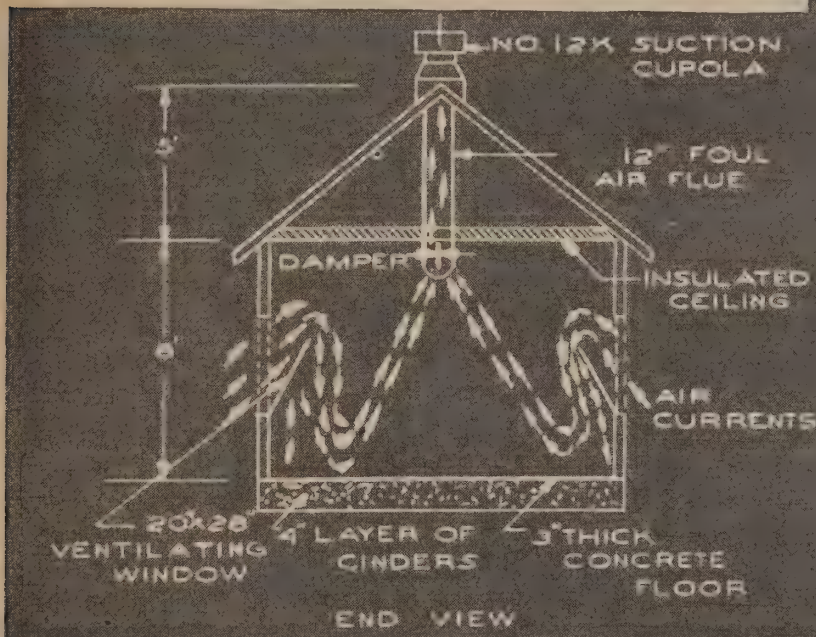
There are four important elements essential to the life and growth of a chick or broiler. These are . . . air, light, water and feed. Science brings us positive proof that air is by far the most important. You have doubtless heard the expression, "Food is fuel to the body." But no fire will burn without air . . . which is oxygen. On the same principle . . . baby chicks and broilers must breathe pure, fresh air in order to derive full benefit from the food they eat. Drafts must be avoided, however. The Brower Ventilating System brings about a good condition in the Battery Brooder House. The foul air is constantly and automatically removed by the Brower Suction Cupola through the Foul Air Flue. Fresh air is admitted into the room through the Brower Ventilating Windows. A Brower-Ventilated Broiler plant means quicker and better growth and more uniform broilers. It should mean extra and quicker income for you . . . in fact, many are soon able to pay the small initial cost of installing a Brower Ventilating System.

Brower Offers Free Helpful Service

Almost any building, room, barn, basement or warehouse . . . when properly ventilated . . . is suitable to use for the production of broilers when Brower's Batteries are used. If you have a building or room available, send us a pencil sketch of it (be sure to give all dimensions), and our Service Department will be glad to give you FREE recommendations as to the best way to arrange it for the use of Brower Battery Brooders. If it is necessary for you to construct a building, we can furnish house plans which will enable your local lumber dealer, contractor or carpenter to give you an estimate on the construction cost and bill of material required. This service is FREE OF CHARGE to prospective customers. Be sure to state how many broilers you plan to produce weekly.

How Brower's Ventilating System Works

Below is an end view of a Brower-Designed Battery Brooder House. The room is ceiled with insulating material, allowing 8' from floor to ceiling. The movement of air is



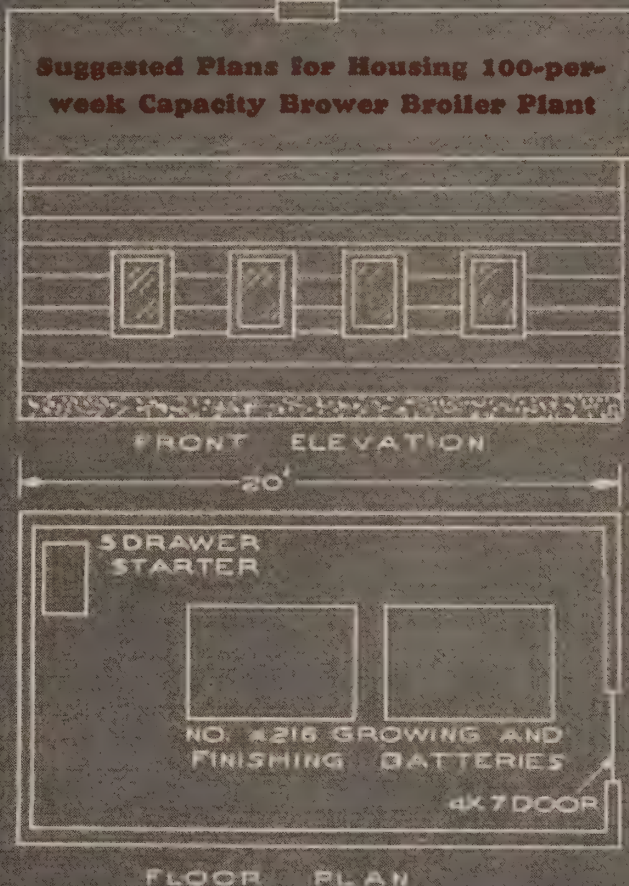
A Brower Equipped Plant

Brower designed battery houses are used in all sections of the country with good results. While every thought is given to a practical, efficiently designed house, care is used in making the general design of the house attractive to any surroundings.

Brower's No. 12K Ventilators Are Used to Ventilate This Plant. See Description and Price on Page 44



Suggested Plans for Housing 100-per-week Capacity Brower Broiler Plant



indicated by the arrows. Fresh air enters through the ventilating windows and circulates around the room. The foul, moisture-laden air is removed through the foul air flue by the suction cupola. No drafts . . . just a continual supply of fresh air, which means so much to increase development of broilers. Play safe—install a Brower Ventilating System in your Brooder House.

Brower Battery Brooders are compact. The illustrations above show the size of room necessary and the proper arrangement of the equipment for the 100-a-Week Capacity Brower Aristocrat Broiler Plant (see pages 16 and 17). To ventilate this building, we recommend using one 12K Suction Cupola. These plans cover our complete ventilating system. However, we are only able to supply the No. 12K roof ventilator at present.

Increase Your Sales
of Battery Produced
Broilers With—

BROWER'S VITA-MAID BROILER SALES CAMPAIGN

Delicious Tender



**VITA-MAID
BROILERS**

*The finest chicken
you ever ate.*



Two-Color
Sticker to Put
On Broilers

The Vita-Maid Sales Plan Will Help You

To help Brower Battery Broiler operators build up sales and obtain highest prices for their broilers, we offer Brower's "VITA-MAID" Broiler Sales Campaign. This campaign consists of (1) An attractive two-color folder containing recipes for preparing "VITA-MAID" Broilers printed with your name; (2) Two-color stickers to use on dressed broilers; (3) A series of four effective newspaper ads in mat form. This helpful sales material is illustrated on this page. Sample furnished upon request. As you succeed with your Brower Broiler Plant, you will naturally want to add more Brower Equipment. Your success means our success. It is, therefore, with the thought of your success, that we have prepared the three tested Broiler Sales helps for you.

Three Plans to Choose From

This exclusive Brower "Vita-Maid" Campaign is offered only to users of Brower Battery Brooding Equipment. Please print plainly wording desired on folders.

Vita-Maid Sales Plan No. 1—

500 Folders printed with your name. 1,000 Stickers, 4 Mats for Newspaper Ads. Wt., 5 lbs. All for only.....\$5.95

Vita-Maid Sales Plan No. 2—

1,000 Folders printed with your name. 2,000 Stickers, 4 Mats for Newspaper Ads. Wt., 9 lbs. All for only.....\$11.95

Vita-Maid Sales Plan No. 3—

2,000 Folders printed with your name. 5,000 Stickers, 8 Mats for Newspaper Ads. Wt., 15 lbs. All for only.....\$24.95

All Postpaid in U. S. A.

Left: Attractive Two-Color Folder Containing Broiler Recipes.

Right and Below:
Effective Newspaper
Ads to Bring You
Inquiries and Sales.

**The WISE
HOSTESS
Serves
VITA-MAID BROILERS**



Please your guests! Treat the family, too! Serve tender, juicy VITA-MAID broilers fried to a delicious golden brown. They'll say it's the finest chicken they ever ate. Order VITA-MAID broilers, freshly killed, from

YOUR NAME

ADDRESS

**SERVE VITA-MAID
BROILERS**

They make a festive dish for the festive occasion, and are fine for mid-week and Sunday dinners, too — these delicious VITA-MAID broilers fried to a golden brown.

YOUR NAME

ADDRESS



**LET'S HAVE CHICKEN
Yes...
VITA-MAID**

You have only to suggest it for dinner to hear the family chorus, "OK!" VITA-MAID broilers are a treat for all. They're easy to prepare and economical, too!

YOUR NAME

ADDRESS

Yes



IT'S VITA-MAID BROILERS!

Tender VITA-MAID broilers fried a golden brown, with piping hot biscuits and jam — a dish royal! Economical, too! Only VITA-MAID broilers scientifically produced in our modern, sanitary equipment have such tender meat and such a delicious flavor. Ask for free leaflet of VITA-MAID recipes.

YOUR NAME

ADDRESS

INCREASE YOUR *Profits* THROUGH MODERN MERCHANDISING

The marketing end of the broiler business is just as important as the production itself. Find out what size broiler is in demand in your locality. If you are dressing your broilers, then a white feathered bird such as White Rock, Hybrids, White Leghorn, or Wyandotte is preferred. In nearly every city and town, there is a waiting market for the sale of freshly killed broilers the year 'round produced in Brower Batteries. More broilers are being sold to consumers than ever before. Just think of the number of hotels, restaurants, clubs, taverns and roadside markets that now serve battery broilers throughout the year. Is it any wonder that there is such a big demand for freshly killed broilers all year?



Half a Chicken — America's favorite Dish

Attractive Packaging



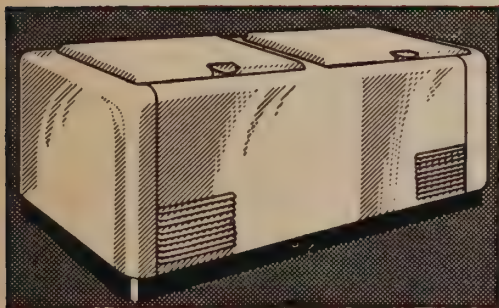
Attractive packaging is very effective in increasing sales. The Brower DeLuxe Broiler Box (shown and priced on page 43), has assisted many broiler raisers to not only receive top prices for their broilers, but in addition, build up a good, profitable weekly market. This convenient box will accommodate up to a 3-lb. dressed broiler.

Selling Direct to the Consumers

Many operators of Brower Broiler Plants have built up a very good local business by inserting an ad in their daily papers, advertising battery broilers. After a customer has tasted the delicious meat of battery broilers, it should be easy to hold his repeat business. Your ad should read something like this: FRESH BROILERS RAISED UNDER THE MOST SANITARY CONDITIONS—TENDER, DELICIOUS MEAT THAT IS GUARANTEED TO PLEASE YOU. PRICE 2-LB. BROILERS, DRESSED AND DELIVERED, \$1.00 or more; (or price that will make you a nice profit). YOUR NAME, PHONE, ADDRESS.

Call on hotels, restaurants, clubs, taverns, private homes, etc., in your vicinity and explain to them that you are able to furnish them with quality battery-fed broilers the year 'round. Explain to them the big difference between battery broilers and springers. Point out that battery-fed broilers have a delicious flavor, the meat is tender, juicy, toothsome. Tell them that Brower Battery-fed Broilers are not to be compared with ordinary stringy "range spring chickens." If necessary, give the chefs or managers several battery broilers to try out and ask them to notice the superior meat of your broilers. With just a little sales effort on your part, you should have no trouble in getting a top price and establish a steady weekly market throughout the year.

"Ready to Cook" Broilers Create Consumer Sales



diately freeze them. In this way, you will have a quantity on hand at all times to give your customers immediate delivery. Having ready to cook broilers for immediate delivery, means a great deal to your customers, and increased sales and profits for you.

Also, it is claimed that the texture and flavor of foods is actually improved when frozen. One frozen food cabinet distributor says: "Choice cuts of meat, poultry, wild fowl and game, quickly frozen, are actually improved in texture and flavor."

Brower's do not list "deep freeze" units for sale at present, but you can get full information about them from your local hardware store or electrical appliance dealer.

A very recent development of great value to every broiler raiser, are the various types of "deep freeze" units that are coming on the market.

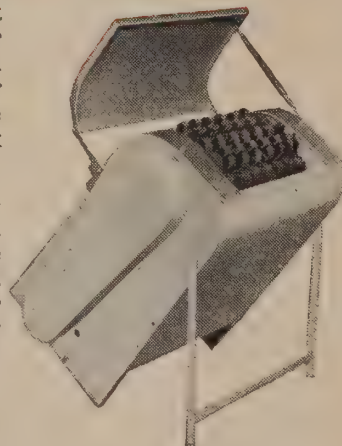
When you have one of these units you can dress the broilers and immediately freeze them.

Another new development that is mighty valuable to every broiler raiser is the poultry picker, which saves a great deal of time, labor and messiness that is the case when it is necessary to pick broilers by hand.

Brower's have selected the Johnson Jiffy-Pick Poultry Picker and larger Master Picker as the type of picking equipment that is most suited to the needs of broiler raisers. On page 37 of this catalog is a complete description of these two pickers, with prices.

With these pickers it is possible to successfully pick two to three pound broilers, and all other types of poultry, turkeys and game birds.

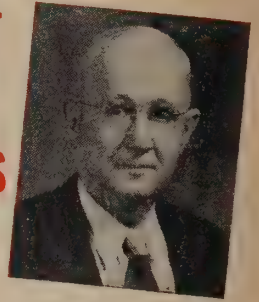
Besides, picking your broilers with a Johnson Jiffy-Pick or Master Picker will result in less bruising and barking of the skin, making your product more attractive to your customers. The money and time you'll save will soon pay for your picker, and you can greatly increase your profits through the use of it.



BROWER Users speak



Began As Hobby— Now Has More Orders For Broilers Than He Can Fill



Mr. P. P. Baird of Little Rock, Arkansas, always loved chickens as a boy. When he retired from the job he held for 45 years he went back to his "first love," and now at the age of 67 has a profitable and enjoyable business. He says:

"Poultry has always been a hobby with me since my early boyhood days on the farm, and after completing forty-five years' service with the Railway Express Agency and their predecessors I retired and decided to try my hand again in the poultry business. My broiler business was started as a hobby but has grown into a nice profitable business. I sell practically my entire output to a night club and the quality of my broilers has rapidly become known as I have more orders than I am able to fill.

"I know of no other small investment that will yield as quick returns as a scientifically operated broiler plant. I am sixty-seven years of age and do all the work connected with my plant except killing and dressing which I have done at a local poultry house."

Opportunities in Broiler Production

By the Editors of FORBES.

Nationally Known Business and Financial Magazine

There's a new type of broiler hitting the market that it will pay the opportunity seeker to watch. It's becoming a widespread business activity.

A few years ago the average broiler or frier was an ordinary springtime fowl for which there was only a seasonal demand. Generally speaking, he was the surplus male chicken. Since in poultry biology it was not necessary to have more than one husband to a dozen hens, the surplus males were more a necessary evil than a thing of profit. The meat, usually stringy, was nothing to smack the lips over.

Year-Round Business

That was back in the days when the growing chick had to have plenty of air and sunshine or it keeled over and died. Now, under the new poultry order, you can raise broilers crowded together in coops in such close formation that they have to jostle one another for room. It isn't necessary for them to set foot on ground or get a single ray of sunshine during their entire feathered career. The answer is cod liver oil or some other vitamin D product which can do as good a job of keeping a chick alive as anybody's sunlight.

But this vitamin D discovery isn't within itself the thing that gives the new method a profit appeal. It's the fact that under this system you can produce a broiler with a meat so tender and juicy it almost melts in your mouth. For this reason broiler production is now a year-round business in many sections of the country. So far, however, consumer sales have not yet caught up with the possibilities. In thousands of towns there are no quality broilers on sale at all.

There are three popular ways to raise broilers in confinement or semi-confinement. There's the regular poultry house type of building, the separate colony house—about 10 by 12 feet for each 250 chicks—and, lastly, there's the battery brooder house. This house must be built so temperature and humidity can be easily controlled. The chicks are raised to broiler size in wire-enclosed batteries built in sections, one on top of the other. The day-old chicks are started in one section and, after a week or so, a new batch of day-olds is started in another section, and so on. By this method you have different broods of chickens in all stages of growth, from day-olds up to marketable size.

—Forbes Magazine, August 15, 1945.

Starts Thousands of Chicks Every Year—Often Raises 100 Percent

From Reuben L. Ulmer, Dawson, Nebraska:

"In the fall of 1940 the R.E.A. built an electric line past our farm. That winter we purchased a Brower starting battery, and since then we have added new brooders almost every season. This season we got two starting batteries and one grower, using the starting batteries continuously from March until now, July 3.

"We start thousands of chicks every year in these batteries, keeping many of them in the growing battery until they weigh three pounds and then selling them on the market. We also sell many started chicks from two to four weeks old. Our average percentage of loss is very low, as we often raise 100 per cent.

"At present we have chicks six weeks old in the starting battery as now we have no smaller chicks and our grower batteries are all full. We like to use the starting batteries about four weeks and then transfer the chicks to the growers. Since we got these batteries, we have never needed to replace a single part—not even a wafer. However, this year we replaced several dropping pans in a grower battery we bought about eight years ago.

"We prefer the battery method of raising chicks, and your batteries are very satisfactory."



from *Experience:*



"Far Beyond Anything Else We Have Ever Used"

Left—From Robert Brown of Greenwich, New York:

"We have been operating with your equipment for the past few years and we want you to know the success we have had. Without doubt, your equipment is far beyond anything else we have ever used. Our small loss of birds has more than paid for the batteries.

"We operate an ice cream bar and restaurant and our customers tell us the broilers and turkeys we serve are the tenderest birds they ever ate. That more than anything else proves that the battery way is the only way.

"Our friends want to buy Brower equipment in the future. They think it is the real way to raise poultry. We know it is the only and best way."

"Do Maximum of Work With Minimum of Labor"

John F. Ekkens, owner of Mission Rancho, Arcadia, California, writes: "We are well satisfied with the 9007 Chick Starter Batteries for brooding equipment on our poultry breeding farm, and believe that they do the maximum amount of work with the minimum amount of labor."



For
BEST
Results,
Always
Use
BROWERS
!



Illinois Farm Adviser, H. K. Danforth, Uses Brower Batteries

H. K. Danforth, Henry County, Illinois, Farm Adviser, raises white rock cockerels in Brower battery equipment. He concentrates their attention on one thing — eating, and has achieved above average increases in weight.

SELECT A BROWER BROILER PLANT

Capacities 50 Per Week to Over 500 Per Week

50 BROILERS PER WEEK

	Page	Price
1 No. 47-7615 Elec. Starting Brooder....	18	\$ 74.00
1 No. 47-4216 Growing and Finishing Battery	19	106.00
Total cost		\$180.00

200 BROILERS PER WEEK

	Page	Price
2 No. 47-7615 Elec. Starting Brooders....	18	\$148.00
4 No. 47-4216 Growing and Finishing Batteries	19	424.00
Total cost		\$572.00

100 BROILERS PER WEEK

	Page	Price
1 No. 47-7615 Elec. Starting Brooder....	18	\$ 74.00
2 No. 47-4216 Growing and Finishing Batteries	19	212.00
Total cost		\$286.00

300 BROILERS PER WEEK

	Page	Price
2 No. 47-9007 Elec. Starting Brooders....	20	\$239.00
6 No. 47-4216 Growing and Finishing Batteries	19	636.00
Total cost		\$875.00

150 BROILERS PER WEEK

	Page	Price
1 No. 47-9007 Elec. Starting Brooder....	20	\$119.50
3 No. 47-4216 Growing and Finishing Batteries	19	318.00
Total cost		\$437.50

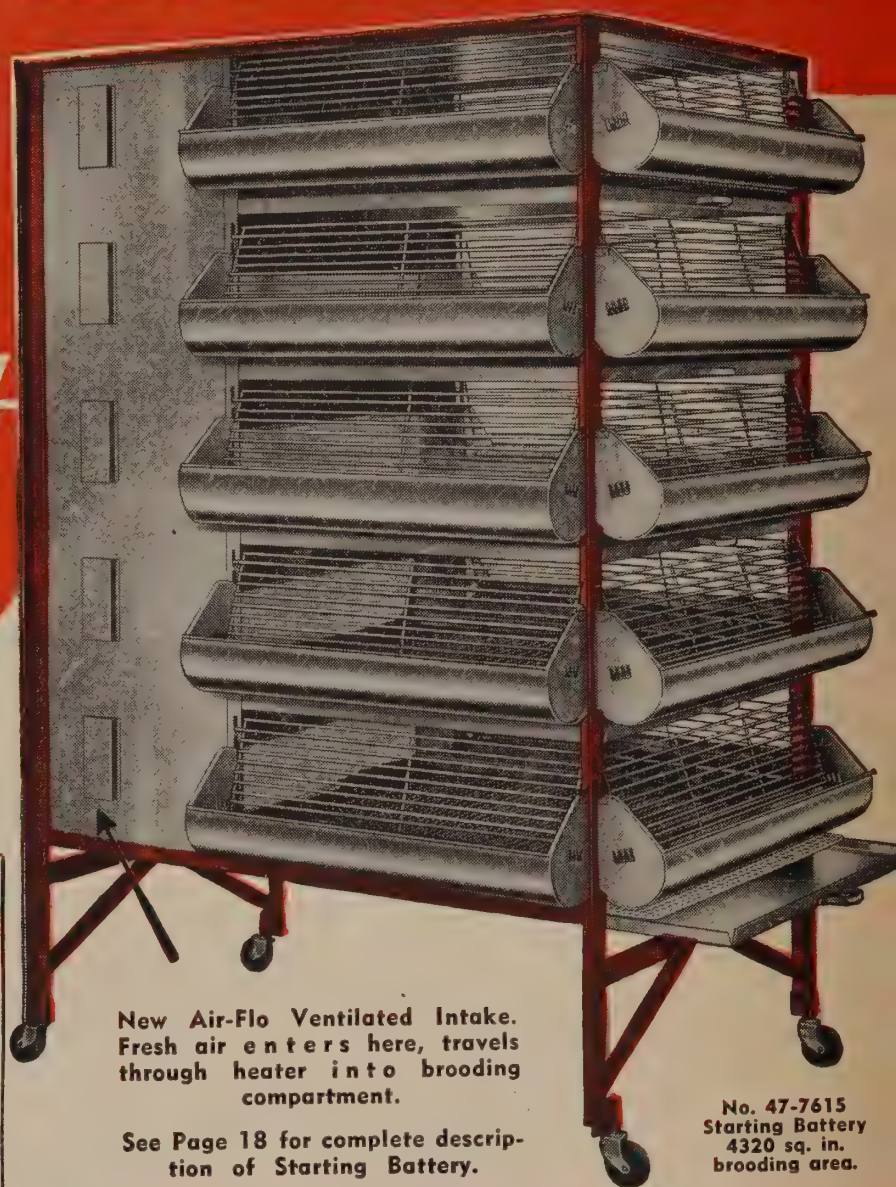
500 BROILERS PER WEEK

	Page	Price
5 No. 47-7615 Brood-Mor Starters.....	18	\$ 370.00
10 No. 47-4216 Growing and Finishing Batteries	19	1060.00
Total cost		\$1430.00

ALL PRICES F. O. B. QUINCY, ILLINOIS

BROWER'S NEW *Aristocrat* BROILER PLANT

Have a BUSINESS



A BUSINESS OF YOUR OWN THAT SHOULD MAKE YOU \$1040.00 TO \$1560.00 YEARLY

This Magnificent New "Aristocrat" 100-a-week capacity Broiler Plant is the result of 16 years' experience in the designing and manufacturing of battery brooders, as well as years of experience producing broilers in batteries. It is the "blue blood" among broiler plants. Brower's huge production facilities makes possible this high quality Broiler Plant for only \$249.85.

Haven't you often wanted a business of your own—where you could be your own boss—where all profits would go to you? If you have you are no different from thousands of other folks. The big drawback in starting a business of your own usually is the large investment required and the length of time involved before you receive any return on your investment. With a Brower "Aristocrat" 100-a-week capacity Broiler Plant you have an income every week, yet your investment in equipment is small. With this plant you have 100 broilers (less mortality) to sell to a premium trade each week. If you only make 20c on each bird (and this is low indeed for a quality uniform broiler) you have an income of \$20.00 each week or \$1040.00 per year. You have a quick turnover—your investment is low—and you can operate every week in the year if you so desire. Think of the hotels, restaurants, taverns, eating stands, and roadside inns right in your own locality. They are all prospects for your battery-raised broilers at premium prices. You can also sell direct to the consumer where your margin of profit is larger.

A day-old chick usually costs 6 to 8 cents. Six pounds of feed (enough to produce a two-pound broiler) at present prices would cost about 21c. Your fuel and electricity would not exceed a penny a bird. 30c to 32c should therefore take care of the cost of a two-pound broiler.

Battery Broilers usually sell on specialized market at 35c to 40c per pound. That means you may double your money by going at the broiler business in the right way. You would have about one hundred broilers to sell weekly—5200 two-pound broilers per year. Brower equipment prices are low; poultry produce prices are high. Is not this what you have been waiting for? (Above figures are estimated, and based on present prices.)

All Brower Battery Brooders, including the new "Aristocrat," are so designed that the capacity may be easily increased as your business expands. It is not necessary to discard any of the equipment you originally installed in order to increase the capacity of your plant.

New Air-Flo Ventilated Intake.
Fresh air enters here, travels
through heater into brooding
compartment.

See Page 18 for complete description
of Starting Battery.

No. 47-7615
Starting Battery
4320 sq. in.
brooding area.

Now Is the Time To Get Started

THE STARTING BATTERY

Brower's New No. 47-7615 "Air-Flo" Brood-Mor Electric Starting Batteries furnished with the plant shown here are, we believe, the finest brooders ever offered. Each deck equipped with Brower's New Ventilated "Air-Flo" Heaters—100-watt capacity. Temperature accurately controlled by Snap Acting Thermostat Switch and double brass wafer. No radio interference. Each deck has pilot light.

Special heat economizer canopy mounted in each deck has 1" air insulation space between canopy and top of deck. This helps prevent heat loss. Round door 4½" in rear of each deck permits easy inspection and removal of chicks. No drawers to pull out. Feed pans, water pans and wire grills easily removable. Wire grills adjustable for chicks of various ages. Feed pans equipped with feed saver lip.

All metal construction—made of heavy galvanized iron. Five decks high, each deck 24"x36"x9" inside measurements. Frame of 1"x1"x½" angle iron, mounted on easy-rolling casters. Heavy woven wire floors ½"x½" mesh, easily removed at front. Two feed and one water trough provide ample feeding and watering space for each deck. Heavy sturdy dropping pans easily removed at front. Dropping pans and water pans made of Heavy Galvanized Iron.

THE GROWING AND FINISHING BATTERIES

Two of Brower's No. 47-4216 Growing and Finishing Batteries are furnished with the "Aristocrat" 100-a-week capacity broiler plant. Each battery has 16 big capacity compartments each 20"x30"x14". 9600 square inches of floor space in each battery. Large feed troughs help prevent feed waste. Exclusive features found in Brower's No. 4216 Growing and Finishing Batteries are conducive to fast growth and uniformly developed broilers. Special patented stamped metal sides offer outstanding advantages as illustrated on page 19.

The top deck of this battery is divided into 4 compartments and designed for growing birds (4 to 6 weeks of age). The 3 lower decks are finishing sections to handle your broilers after the sixth week. See page 19 for complete specifications.

OF YOUR OWN

START NOW



**CHECK THESE
BIG
ADVANTAGES!**

Low in Price

**100-Per-Week
Capacity**

**No Special
Experience
Necessary**

**Small Space to
Operate**

**Income Every
Week**

**Operate Year
'Round**

Two No. 47-4216 Growing
and Finishing Batteries.
19,200 sq. in. total
brooding area.

WEEKLY PROFIT POSSIBILITIES OF \$38 TO \$57

Here is an estimate of producing 100 broilers weighing 2 lbs. 100 chicks, \$9.00; 600 lbs. feed at 3½¢ per lb., \$21.00 (6 lbs. per broiler); electrical cost, \$1.00 (1¢ per chick); mortality and int., \$1.00. Total cost, \$32.00 for 100 broilers. Estimated selling price, 35¢ per lb. Total income, \$70.00. The difference is a labor income of about \$38.00. With a 150 capacity you should make about \$57.00 after the first 8 weeks. At 40¢ per lb. your profit should be from \$48.00 to \$72.00 weekly. Complete operating instructions and broiler plant management suggestions supplied with your order. We know of no like amount invested that will make more money in less time.

Note large, roomy growing and finishing compartments illustrated above.

See page 19
for complete
description.

Add As You Grow

HOW TO TRANSFER THE CHICKS

Each week you start 100 chicks in one deck of the Starting Brooder. After they are one week old divide into two decks, 50 to each deck. They remain here for two weeks. At the beginning of the fourth week the oldest chicks are removed from the Starting Battery and placed in the top deck of the No. 47-4216 Battery—25 to each compartment. Here they remain for a period of two weeks and then are moved into the Finishing Sections below until ready for market, which usually is 8 to 10 weeks. Complete booklet of Operating Instructions and Broiler Plant Management furnished with each "Aristocrat" Broiler Plant.

"PROFITS SOON PAY FOR EQUIPMENT"

I can furnish a letter of encouragement to the beginner. I have just finished and sold 500 broilers this spring, handled 200 last spring, 200 in the fall, a total of 900 broilers, and believe it or not, profits more than paid for my Brower Battery Equipment.

W. B. Northcutt.

PRICES AND SPECIFICATIONS

100-Per-Week Broiler Plant

Nos.	Units	Description	Ht.	Width Over All	Ship. Wt.	Price Each	Amt.
47-7615	1	Starting Brooder	64½"	33"x41"	222 lbs.	\$ 74.00	\$ 74.00
47-4216	2	Finishers	72"	50"x72"	800 lbs.	106.00	212.00

Cost of Complete 100-a-week Broiler Plant, ready to operate.....\$286.00

150-Per-Week Broiler Plant

47-9007	1	All-Purpose Starter	68"	40"x55"	327 lbs.	\$119.50	\$119.50
47-4216	3	Finishers	72"	50"x72"	1200 lbs.	106.00	318.00

Cost of Complete 150-a-week Broiler Plant, ready to operate.....\$437.50

F. O. B. Quincy, Ill. Shipped K. D. Easily Set Up.

See page 20 for full description and chick capacity of No. 47-9007 Battery. Nos. 47-7615 and 47-9007 Starting Batteries can be purchased separately.

BROWER'S NEW VENTILATED BROOD-MOR

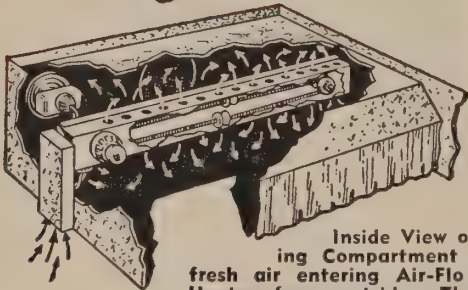
625 Day-Old Chick Capacity

125 PER DECK

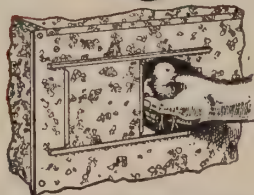
EIGHT NEW FEATURES—

Insure Safe Brooding of Your Chicks At Less Cost

- 1** —“Air-Flo” fresh air ventilating heater pre-heats incoming fresh air in each deck. Foul air is forced out under curtains.
- 2** —Heat-retaining sub-ceiling in each deck to save heat and cut operating cost.
- 3** —Extra-rigid construction due to welding, bolting and riveting.
- 4** —Adjustable wire grids in feed and water troughs allows handling chicks of various ages in the various compartments. Grids prevent chicks drowning and help save much feed.
- 5** —Interior of compartments accessible from all four sides for removing chicks or cleaning.
- 6** —Safe operation insured against electric shock, fire hazard, etc.
- 7** —Slide door, 4½” diameter in rear of each compartment for easy inspection and removing chicks. See illustration at left.
- 8** —Electric brooding cost is saved by being able to use one or more decks separately at a time, to brood 125 or up to 625 chicks.



Inside View of Brooding Compartment showing fresh air entering Air-Flo Electric Heater from outside. Thermostat control and rear slide door. Cloth curtain protects chicks from drafts. Foul air is removed under curtain.



Showing Ease of Removing Chicks Through Door in Rear

Give Chicks the Proper Start

Here is our answer to poultrymen wanting a low-price Battery Brooder, sturdily built of heavy galvanized steel and of scientific design. Just the thing for the farmer, housewife, 4-H Club boys or girls or poultrymen to use as a starting brooder in the basement, garage or kitchen for the first few weeks until chicks no longer require heat and can be moved to other quarters. We know of no other brooder that offers you better service and quality anywhere near this low price requiring so little electricity to operate. Every detail of the Brood-Mor construction is of Brower's best, as to material, workmanship and design.

Display Chicks in the Brood-Mor

Many hatcheries, feed stores and chick dealers are using the Brood-Mor for displaying, starting and selling their chicks. Swivel casters make it easy to place the chick display in the most salable spot. Five large compartments, 24x36" with 9" head room give ample space for 125 day-old chicks per deck. The five-deck brooder will easily handle 625 day-old chicks. Fine to use one or more decks.

Many dealers advertise and sell both chicks and battery to their customers. The Brood-Mor is excellent for starting and brooding chicks up to 4 weeks of age. Many poultrymen do not have a satisfactory house for brooding chicks. The Brood-Mor is just the Battery to use. Place it in the basement, kitchen, spare room or garage where temperature doesn't drop below 50 degrees.

FEATURES — SPECIFICATIONS — PRICES

All-Metal Construction—Made of heavy galvanized metal—securely bolted, welded and riveted for great strength.

Frame of Heavy Angle Iron, 1x1x½", painted red—rigidly braced and securely mounted on easy rolling swivel casters.

Heavy, Smooth Woven Wire Floors—½x½" mesh. Slide out easy at the front.

Dropping Pans—24x36"—Removed by sliding out at front.

Feed Troughs—Two to each deck. **Water Troughs**—One to each deck, located at front of battery.

Head Room, 9 inches. Inside floor area, 24x36"—864 square inches per deck, 4,320 square inches per five-deck battery.

Heating Unit—Bottom deck equipped with 160-watt, other decks with 100-watt Air-Flo Type Heaters; automatically controlled with Magnetic Snap Switch.

Special Heat Deflector mounted in each deck—giving 1"

space between canopy and top of deck.

Feed Pans, Water Pans and Wire Grills Easily Removable. Wire Grills adjustable to three different positions. Feed Pans equipped with feed saver lip.

4½-inch Slide Door in rear panel of each compartment. Easy to inspect or remove chicks.

No.	Description	Chick Cap.	Over-all Width	Over-all Height	Shipping Weight	Price
47-7615	5-Deck Elec.	625	33x41"	64½"	222 lbs.	\$74.00

Shipped K. D.—Easily Assembled—F. O. B., Quincy, Ill.

Repair and Extra Parts

½"x½" Woven Wire Floor—24"x36"	\$2.80
24"x36" Dropping Pan	1.55
Feed Pan, 25½" Long	.85
Water Pan, 20" Long	.90
No. 1WB Wafer	.35
No. A 100-Watt Heater for Upper Decks	2.20
No. A1 160-Watt Heater for Bottom Deck	2.30
No. C38S Thermostat Switch and Wafer	2.55
No. 7-L Pilot Light Bulb	.25

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60 MONTHS Only **\$1.00**

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NATURAL COLOR BREED PICTURES!

IMPORTANT

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BROWER MANUFACTURING CO.



How to Insure Poultry Profits and Reduce Labor Costs

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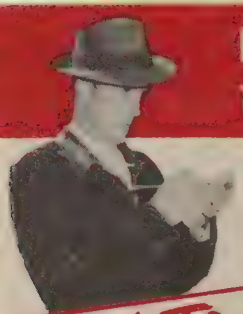
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Natural Color

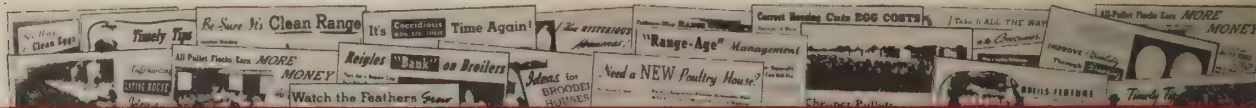
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the fine details of feathers, shape, coloring, etc., are faithfully reproduced. Nowhere else can you get pictures like these.

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USE THE MONEY SAVING COUPON ON OTHER SIDE—GET MONEY-MAKING HELPS LIKE THESE

WE CAN LAY 200 EGGS EACH!

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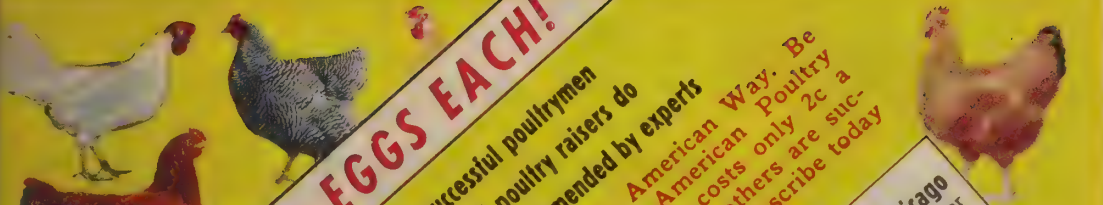
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Since 1874 the American Poultry Journal has helped poultry raisers to succeed. This long and faithful service makes us, the undersigned, glad to recommend it.
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SUMMER
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To Molt or Not to Molt

Give Pullets
A Good Start

The Problem
Corner

Brooding
CHICKS
Early

THAT DANGEROUS CULL

Make The Feed
Go Farther

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EARLY BROODING PRACTICES
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Any ten issues of American Poultry Journal will be more valuable than an expensive poultry book because it will have more poultry information and will be up to the minute. Books get old, especially with new inventions popping, but the American Poultry Journal is alive and always brings latest poultry information.

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FARM JOURNAL AND FARMER'S WIFE is published monthly; big issues; new timely features; fine pictures, beautiful colored covers. Concise, easy to read, 70 years old. Largest mail subscription list in the world,—over 2,650,000 subscribers from Maine to California.

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Recommended by

BROWER MFG. CO.

EXTRA HEAVY GALVANIZED STEEL CONSTRUCTION PATENTED FEATURES PREVENTS CANNIBALISM

BROWER'S DELUXE GROWING and FINISHING BATTERY

An Outstanding Buy—

**Will Handle 200 2-lb.
Broilers, or 175 2½-lb.
Broilers**

Here is truly the outstanding buy in a combination Growing and Finishing Battery. The top deck consisting of 4 compartments is designed to handle growing chicks from 4 to 6 weeks of age. The three lower decks (12 compartments) are arranged for handling birds from 4 weeks to Broiler size (6 to 12 weeks). The compartments are compact 20x30 inches which broiler raisers will appreciate as a small number of birds may be placed in each compartment.

Results have proven that battery broilers develop much better when placed in small groups than where a large number are raised in one compartment. The reason for this is the birds are not as nervous and less fighting and cannibalism occurs.

Broiler raisers everywhere prefer the patented Brower design finisher instead of the "open wire" type. Read below why the Brower Design is so popular with broiler raisers—North—South—East—and West.

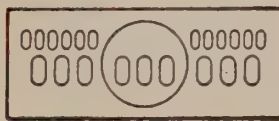
Why Brower Uses All Metal Battery Front Construction

Wire Front Type

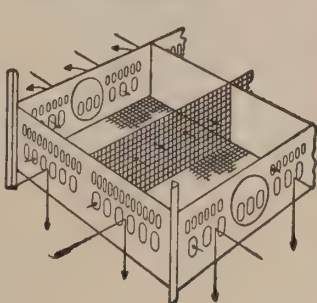
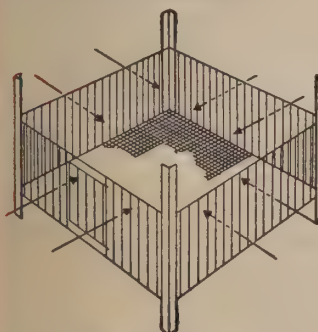


Allows drafts to enter from all four sides. Too much light enters from all sides, causing nervous birds and many cases result in cannibalism.

Brower's Patented Design



Ample ventilation without drafts. Compartments semi-dark inside helps to prevent cannibalism—birds are more contented.



The special patented design used on Brower Batteries allows sufficient ventilation but prevents cross drafts. Note illustrations above. The special Brower design patent No. 1961682 prevents too much light from entering the inside of the battery sections. Too much light in Growing and Finishing Batteries tends to excite the broilers and is one of the causes of cannibalism. Although sufficient light is provided for the birds to eat, the compartment itself is semi-dark and birds mature faster.



U. S. Patent
No. 1961682

No. 4216
16 Big Compartments
Handle 200 2-lb. Broilers

THESE SEVEN BIG FEATURES Help You Grow and Finish Better Broilers

- 1 HEAVY GALVANIZED STEEL CONSTRUCTION THROUGHOUT.** Not a piece of wood to warp, split or crack. No crevices to become infested with mites and disease germs. Built four decks high—each deck divided into four compartments. Rigid 1"x1"x½" angle iron frame, on two large easy-rolling stationary casters and two ball bearing swivel casters. Easy to roll about.
- 2 SIXTEEN BIG CAPACITY COMPARTMENTS.** Each 20"x30", with 600 square inches floor area—accommodates 200 2-lb. broilers or 175 2½-lb. broilers. Provides 9,600 square inches of floor space for the birds. Handles chicks from four weeks of age up to broiler size.
- 3 AMPLE VENTILATION.** The especially designed, heavy metal sides serve to break up air currents and help to avoid drafts. Note illustrations at left.
- 4 AMPLE HEADROOM.** Each compartment has headroom of 14 inches, ample for 2½-3-lb. broilers. Large, round doors with automatic latch and smooth-rolled edges allow plenty of room for removing broilers from each compartment.
- 5 OVERSIZE FEEDING SPACES,** with smooth turned edges on holes. In the Growing Compartments of the top deck, chicks feed through the small feed holes. The three lower decks are for finishing purposes, with the large rolled edge feed holes arranged especially for safety in broiler feeding. Four special designed Feed Troughs, each 28" long, on each deck. Two Water Troughs, each 36" long, on each deck—made of heavy galvanized iron.
- 6 SANITARY AND CONVENIENT.** The Top Deck is fitted with sanitary ¾-inch mesh Wire Floors; all other Decks have floors with one-inch spacings. Droppings fall through instantly into the Dropping Pans which are made of heavy galvanized iron. Floors and Dropping Pans instantly slide out at front for thorough cleaning providing strict sanitation.
- 7 SPECIFICATIONS.** Sixteen Big Compartments, 20"x30", 14" high. Over-all dimensions of Battery: height 71"; width 50"; length 70". Has sixteen Feed Pans 28" long; eight Water Pans 36" long. Dimensions of Battery without Pans: width 42½", length 62".

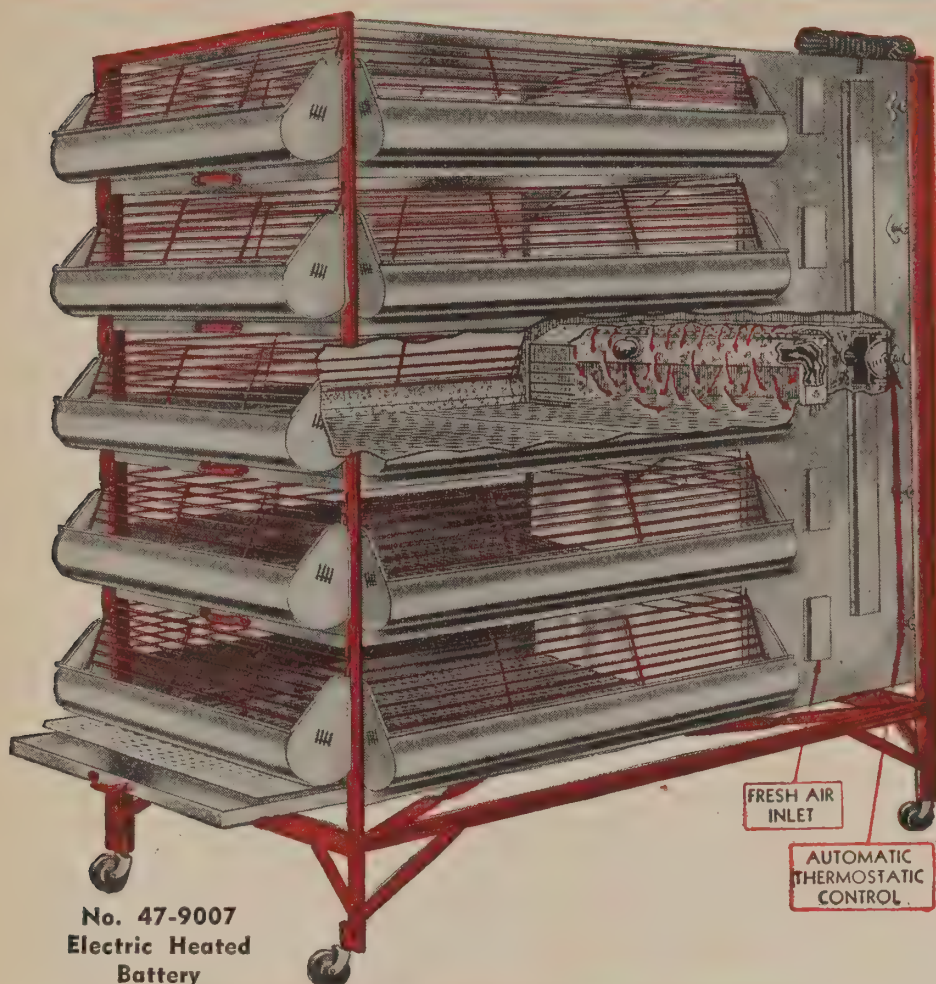
No. 47-4216—GROWING AND FINISHING BATTERY. Capacity 200 2-lb. Broilers. Shipping wt. 402 lbs. Shipped knocked down crated—easy to assemble. F. O. B. Quincy, Ill., **\$106.00**

Repair and Extra Parts

¾"x¾" Mesh Wire Floor—20"x30"	\$2.30
1"x1" Mesh Wire Floor—20"x30"	2.10
28" Feed Pan	.65
36" Water Pan	.85
20"x30" Dropping Pan	1.35

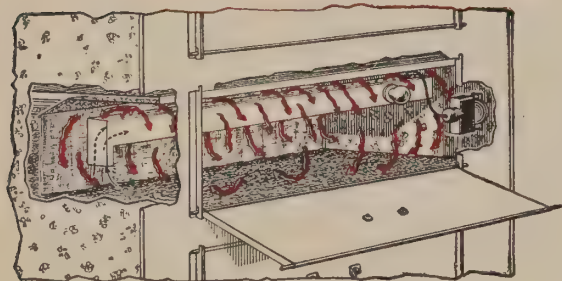
BROWER'S Improved All-Purpose Electric BROODER

Equipped with AIR-FLO HEATERS



No. 47-9007
Electric Heated
Battery

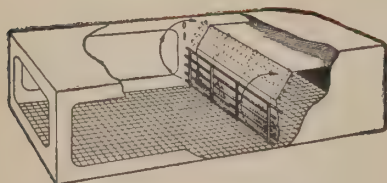
NEW "AIR-FLO" VENTILATING HEATER



Showing Rear Door and "Air-Flo" Ventilating Heater.

partment. This is very important because it means that a constant flow of fresh, preheated air is coming into the compartment and foul stagnant air is being removed under the curtain. A special Heat Deflector mounted in top of each deck gives 1" space between Canopy and top of deck. This prevents heat loss and gives a better distribution of heated air within the compartment.

HINGED GRILL HELPS IN REMOVING BIRDS



See illustration at left showing use of grill for easy removal of chicks. Simply drive chicks to the back or front and lower Hinged Grill to floor.

Brower's latest improved "Air-Flo" Ventilating Heater furnishes ample heat for maintaining proper brooding temperature in brooding compartment.

New Air-Flo feature brings in fresh air from the outside directly into Heater where it is preheated before being circulated in Brooding Com-

1000 DAY OLD CHICK CAPACITY
200 Per Deck

Equipped with Air-Flo Electric Heaters

This "All-Purpose" Brooder we designed especially for the poultryman who prefers warm and cool compartment brooding. It offers a dependable, time and money-saving means of handling chicks. Brooding temperature easily controlled. Complete sanitation is maintained by the very latest in design. One of the easiest batteries in which to start chicks. It is just what is needed to produce Started Pullets, for which there is usually a big demand. Ideal for use in Broiler plants as a battery for starting chicks up to five weeks old. Wire grills are spaced to make ratproof. Chicks cannot escape.

7—Special Features

That Save Chicks, Feed and Brooding Costs

1 Capacity—1,000 day-old chicks (200 per deck); 750 two weeks old; 375 four to five weeks old. Cares for chicks up to five weeks. Operates in room temperature of 50 degrees or more. Each section is 30"x48"; 1,440 sq. in. per deck; 7,200 sq. in. per battery.

2 Each deck equipped with the Improved Brower "Air-Flo" Ventilating Heater; 160-watt heating element in bottom deck. 120-watt heaters in top four decks—controlled by Brower's Automatic Magnetic Snap Switch—7½-watt red pilot light furnished. No radio interference. Each deck can be operated separately, thus saving money on small broods.

3 Heat-retaining canvas curtains separate brooding compartment in rear from exercising and feeding compartment in front. A hinged wire grid partition can be dropped as a divider between the front and rear compartments. This permits easy catching and removal of chicks through large convenient door in the rear panel or sides of each deck. See view at left.

4 Two feed-saver streamline designed feed troughs and one heavy galvanized water trough—all 31¾" long. Feed and water pans easily removable from battery. Adjustable wire feed guard will adjust feed opening to four different positions for baby chicks, as well as growing birds.

5 Over-all height, 68"; over-all width, 40"x54"; head-room, 9"—Five big capacity decks.

6 Sturdy construction—frame built of 1"x1"x½" angle iron, body of heavy galvanized sheet iron and wire, and equipped with large, easy-rolling casters.

7 Floors and dropping pans are easily removable. Dropping pans made of heavy galvanized iron. Floors are ½"x½" mesh heavy woven wire. Two 24"x30" floors in each deck. Note illustration how easy they slide out.

Repair and Extra Parts

	Price Each
½"x½" Mesh Heavy Woven Wire Floor—24"x30"	\$2.50
24"x30" Dropping Pans.....	1.45
Feed Trough.....	.95
Water Trough—31¾".....	1.00
Caster.....	.55
Air-Flo Heater (state for what deck) each....	2.50
Pilot Bulb, 7½-Watt.....	.25
No. 1WB 3" Wafer.....	.35
No. C38S Thermostat Switch and Wafer.....	2.55

SPECIFICATIONS

Cat. No.	Size Brooder	Chick Capacity	Floor Space	Height Over All	Width Over All	Approx. Weight	Price
47-9007	5-Deck	1,000 day-old	7,200 sq. in.	68 in.	40x54 in.	327 lbs.	\$119.50
Shipped Knocked Down—Easy to Assemble				F. O. B. Quincy, Ill.			
				Equipped for 110-volt A. C. current only			

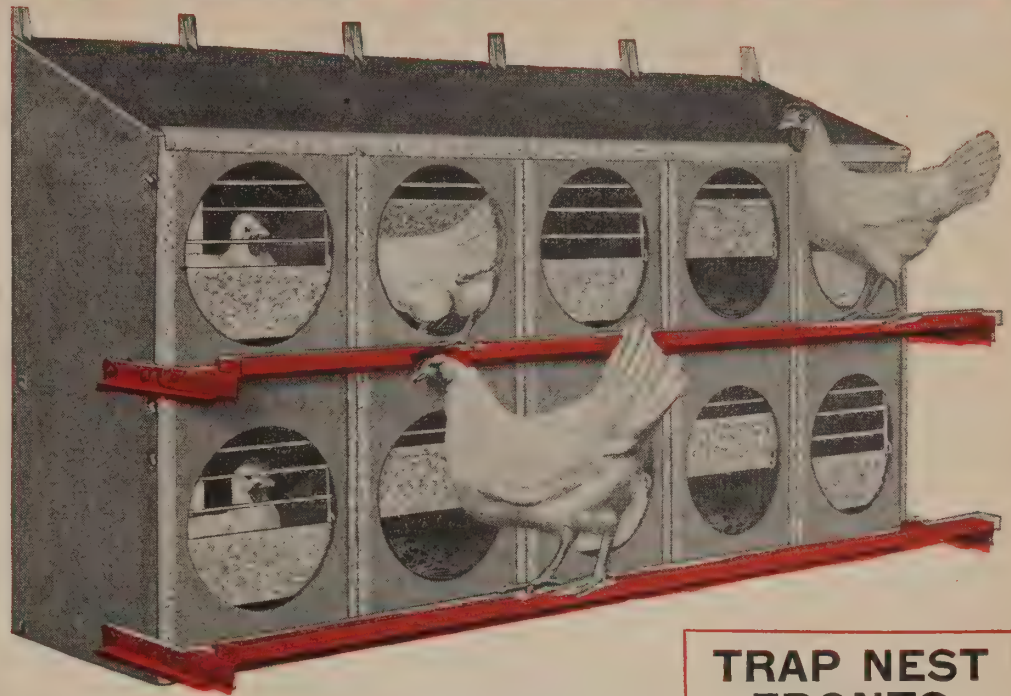
BROWER'S "tattle tale" LAYING NEST

Masonite Presdwood Convertible Trap and Laying Nests Are—

- **Warmer in Winter**
- **Cooler in Summer**
- **Easier Assembled**

TEN Important Construction Features

- 1 Plenty of Nesting Room**—Compartments are 12 inches high, 13 inches deep, 11 inches wide. The round opening is 8 1/4 inches diameter—smooth edges prevent injury to hands, hens or eggs.
- 2 Positive Trapping of Hens**—Door easily and quietly slides closed as hen enters nest. No other hen can enter. Solid metal panel prevents interference with hen on nest and insures privacy while laying.
- 3 Trap Door Made of Metal**—With a wire grid above for ventilation, and solid metal panel hinged below.
- 4 Traps Easily Removable**—By simply removing two long rods—all traps can be quickly taken out. A reversal of the process easily puts traps back in place.
- 5 Ample Ventilation**—Nest hangs away from wall or against wire partition. Top portion of trap is wire grill. Thus plenty of ventilation is provided in each nest through front and back. Fine to use in the southern states.
- 6 Roost-Proof Top**—The steep slope of nest top prevents hens roosting.



- 7 Hinged Perches**—Heavy iron hinged brackets support solid wood perch for each tier of nests. At night perches can be raised to prevent hens roosting in nests.
- 8 Easy to Clean**—Six slotted metal hangers are bolted along back edge of top. To clean, simply swing nest out from wall and shake old nesting material on floor.
- 9 Sanitary**—Made of hard Masonite pressed wood, nest is easily kept clean. Can be sprayed for thorough disinfecting.
- 10 Sturdily Constructed**—Edges supported by steel binders, made of hard Masonite pressed wood. Steel rods support Masonite nest bottom.

Specifications and Prices

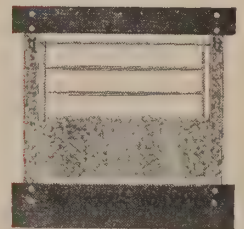
LAYING NESTS LESS TRAPS

Cat. No.	No. Nests	Tiers	High	Lgth.	Ht.	Depth	Width	Weight	Price
47-7L10	10	2	55"	12"	13"	11"	45 lbs.	\$ 9.80	
47-7T0	Traps only for above, 5-in. carton, wt. 5 lbs., set of 5.....								1.60

LAYING NESTS WITH TRAPS

47-7L10T	10	2	55"	12"	13"	11"	54 lbs.	12.90	
Capacity—Allow one nest hole for each 3 hens when trapping. One hole for each 5 hens when not trapping.									
Shipped K.D. in Sections, Easily Assembled. F. O. B. Quincy, Illinois									

TRAP NEST FRONTS



Dependable trap nest fronts for fastening on to orange or lemon box or to strong paper carton box. Same construction as used in our complete trap nests except with steel and Masonite frame added as illustrated. Works easily, does not frighten the hens. Doors so constructed that they can be unhooked and laid aside for next trapping season. One size only. 14 1/2 inches high, 11 1/2 inches wide, door opening 10 inches high and 9 inches wide.

No. 47-7T1 — Nest Front Complete. Wt. 1 1/4 lbs., F. O. B. Quincy, Ill. Price, each.....\$0.55

BROWER'S SHORT LEG MASTER FLOOR FEEDERS

Short Legs — Ideal as Turkey Feeder

5-ft. and 8-ft. Lengths



A Practical Low-Priced Floor Type Feeder for Pullets and Hens and a Dandy Outdoor Feeder for Turkeys

The big capacity Feed Trough is substantially constructed of heavy gauge Steel with sturdy, 9" Channel Steel Legs . . . high enough to keep the trough above litter. Two steel cross braces bolted to the trough and legs, make this Feeder rigid. Trough is 9" wide at center, 7" wide at bottom and 5" deep. One-inch flanged edges along top prevent fowls from billing out and wasting feed. Hen Capacity: 5' feeder for 35 to 50 hens; 8' size, 55 to 80 hens. Shipped K.D. Easy to set up.

Specifications

Feeder No.	Length Over All	Mash Capacity	Weight Each	Wt. 2 in Carton	Price, Each
47-365	5'	1 1/4 bu.	12 lbs.	23 lbs.	\$3.45
47-368	8'	2 bu.	19 lbs.	34 lbs.	4.95
All Prices F. O. B. Quincy, Ill.					

BROWER'S

BIG CAPACITY FLOCK FEEDERS

Heavy-Duty Trough For Feeding Mash, Grain or Pellets

**HEAVY GALVANIZED
STEEL**

Two Convenient
Sizes—5 Ft.
And 8 Ft.

**HAS
HINGED
GRILL**

**Built
for Long
Dependable
Service**

CAPACITY 80-100 HENS

This is the business Feeder for the business poultryman. Suitable for feeding pullets or hens. New streamlined "V-bottom" trough makes it easy for birds to clean up all of the feed—also prevents accumulation of stale feed. New construction gives extra sturdy bracing. Made of heavy gauge metal. Will give years of service. Brower Big Capacity Flock Feeders will save enough in feed alone over improperly constructed home-made Feeders to pay for themselves in a very short time. Hens with mash before them constantly, lay more eggs. Only one extra egg per hen per month from 35 hens during fall and winter months with eggs at 30c a dozen will buy a No. 295 5-ft. Feeder. Or, the extra eggs laid by 48 hens as figured above will buy a No. 298 8-ft. Feeder.

**Read How the Value of Extra Eggs
Hens Lay Pays for Feeders ➔**

Check These Outstanding Specifications

Mammoth in size—heavily constructed—Brower's Big Capacity Flock Feeders are built for maximum service. Service that, when figured over the lifetime of the Feeders, will prove both economical and efficient.

Trough made of extra heavy gauge galvanized steel. The rigid die stamped ends are extended to top of grill to prevent birds flipping feed over end of trough—total height of die stamped end 10 $\frac{3}{4}$ ". Trough is 11" at greatest width. Outside width at top is 10"—inside width 8 $\frac{3}{4}$ "—depth 6"—turned flanges are 1" wide to prevent feed waste by billing. Flange also gives perfect support for wire grill. "V" construction of trough bottom feeds mash down for easier pickup by birds and lessens chance for accumulation of stale feed.

ROOST-PROOF WIRE GRILL AND GUARD hinged for easy filling and cleaning, made of extra heavy wire. Note how vertical wire spacers will prevent hens roosting on

trough edge and contaminating feed. Feeding space between wires, 2 $\frac{5}{8}$ ". There are 70 feeding spaces in 16' of feeding space in the 8' Feeder—and 42 feeding spaces in the 5' Feeder.

The 8' Feeder is recommended for 100 hens—32 can feed at one time.

The 5' Feeder is recommended for 65 hens—20 can feed at one time.

EXTRA STURDILY BRACED STAND made of 1"x1"x $\frac{1}{8}$ " angle iron—cross supports of 16-gauge angle steel—securely bolted together and to the trough.

RED WOOD PERCHES—2 $\frac{3}{4}$ " wide with rounded edges—distance from top of perch to floor, 19"—high enough to prevent vent picking and give full advantage of all floor space.

Every possible feature has been built into this feeder.

HIGH IN QUALITY—LOW IN PRICE

Catalog No.	Length	Mash Capacity	Feeding Spaces	Hen Capacity	Shipping Wt. Packed One	Shipping Wt. Packed Two	Price Each
47-295	5'	5 $\frac{1}{2}$ Pecks	42	50- 65	27 lbs.	53 lbs.	\$6.00
47-298	8'	8 $\frac{3}{4}$ Pecks	70	80-100	39 lbs.	73 lbs.	7.80

Prices F. O. B. Quincy, Illinois

Reduce - FEED WASTE



Adjustable 4-Blade Roost-Proof Reel



**Extra Wide
7½ Inch Leg
Prevents Tipping**

Brower's New Adjustable Leg Eliminates Bolts, Nuts and Washers

Trough constructed of heavy galvanized steel, with spot welded ends. Very sturdy and substantial. Smooth ½" double fold feed saver lip at top of feeder turned at correct angle prevents chicks from billing out feed. Adjustable, revolving 4-blade metal reel makes this feeder perch-proof and keeps the chicks out of trough. Adjustments provide right size feed opening along the trough edge to accommodate different age chicks. Feed is easily removed, for cleaning trough.

Two sizes, 36" and 48". Over-all height, with legs and reel fully adjusted, 7¼". Extra wide 7½" leg prevents tipping. Feeder can be set flat on floor or litter without legs. First adjustment raises bottom of trough 1½" off floor—second adjustment 2½" off floor. Reel painted red.

No. 47-48B—Length, 48". Trough width, 4½"; depth, 2¼". Weight, 5 lbs. Chick capacity, 100 chicks. Each... **\$1.20**

No. 47-36B—Length, 36". Trough width, 4¼"; depth, 2¼". Weight, 4 lbs. Chick capacity, 75 chicks. Each... **1.05**
F. O. B. Quincy, Ill.

Grid Broiler, Pullet, and Poult Feeder

This feeder is ideal to use when chicks have out-grown starting feeders. Will easily take care of growing broilers to finish weight and growing pullets to housing time. Turkey poults can be started as well as grown with this feeder. Heavy wire grill is securely hinged in three places to one side of trough. Grill is Roost Proof—easily raised for filling and cleaning trough. 1½" feed spaces between wires—has 56 feeding spaces—will easily handle 150 broilers. Trough made of heavy galvanized steel, ends securely spot welded—has easy to clean round bottom. Capacity 18 quarts, ⅝" feed saver lip. Trough 48" long, 6" wide, 3½" deep, height over all 8¾" with legs fully adjusted. Has 4 angle steel legs bolted on—adjustable to two positions.

Specifications and Prices

No.	Length	Feed Capacity	Capacity	Wt.	Each
47-160W	4 ft.	18 qts.	150 Broilers	7 lbs.	\$1.80

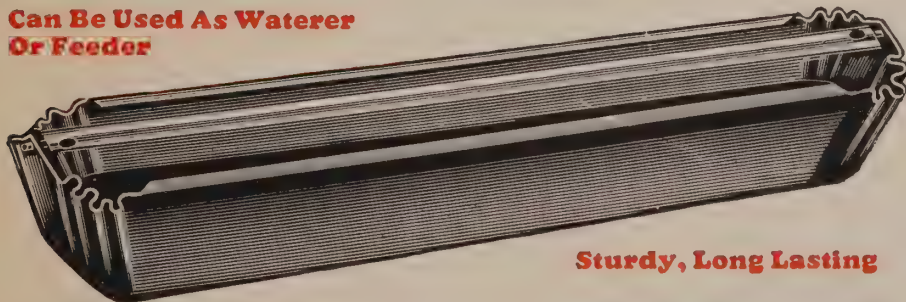
F. O. B. Quincy, Ill.

**No. 160W—4 Feet Long
Hinged Wire Grill**



**Roost-Proof
Easy to Clean
Easy to Fill
Adjustable Legs**

**Can Be Used As Waterer
Or Feeder**



Sturdy, Long Lasting

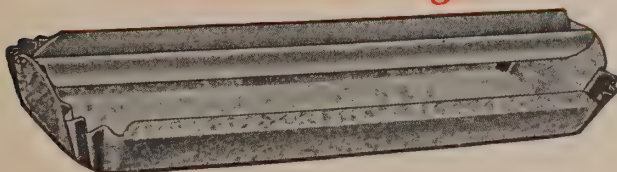
Brower's Roost-proof 26-In. Metal Reel Chick Feeder

A popular baby chick feeder strongly built of heavy steel, stamped from one piece. Top edges of trough bend inward to prevent feed waste. Roost-proof revolving metal reel with two separate adjustments. Reel easily removed for cleaning and filling. Painted gray enamel. Can also be used as waterer. We recommend 4 for 100 chicks.

No. 47-626F—Length 26", 2½" deep, 4¾" wide. Wt. 3 lbs. Chick capacity, 25. F. O. B. Quincy, Ill.

Price each **65c**

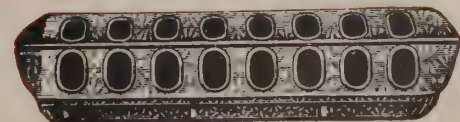
Brower's Economy Roost-Proof Chick Trough



Substantially made of heavy sheet iron, stamped from one piece. May be used as a feeder or waterer. The turned-in lip on each side of trough prevents waste of feed. The Metal Reel makes it roost-proof and keeps chicks out of trough. Painted gray enamel.

No. 47-522—Length 22", 1½" deep, 3½" wide. Capacity 20 chicks. Wt. 2 lbs. F. O. B. Quincy, Ill. Price each... **35c**

Slide Top Chick Feeder or Waterer



PROVIDES FEED OR WATER FOR 20 CHICKS

Substantially made of heavy steel painted gray enamel stamped in two pieces, no soldered seams. Can be used for feed or water. Edges of cover crimped to form a catch that easily springs over edges of trough and holds the cover securely in place. Cover is removed by sliding endwise. Smooth turned feed holes. Ribbed bottom adds to rigidity.

No. 47-422—Length 18", Wt., Doz., 14 lbs. F. O. B. Quincy, Ill. Price each... **40c**

NOW! BROWER HOG FEEDERS

- **Armored** — With Heavy Galvanized Steel
- **Insulated** — With Genuine Masonite

**Extremely Heavy Construction—
Will Give YEARS of Serviceable Use**

Brower's Sanitary Hog Feeders are heavily constructed with solid oak frames and covered with steel lined with Masonite. Masonite lining prevents feed from touching steel—no sweating or corrosion to cause loss of nutritional values of feeds. No cracks or crevices where feed can spoil or be infested with worms or germs. Always sanitary—keeps feed fresher longer.

Self-feeding with a Brower Hog Feeder saves time and labor—let the hogs feed themselves and save you money!

CONSTRUCTION FEATURES

1. Entire body armored with heavy galvanized steel.
2. Bell shaped feed hopper assures free flow of feed.
3. All-weather sliding top—no hinges or mechanical gadgets to get out of order.
4. Heavy 14-gauge galvanized steel feeding doors.
5. 2x10 skids on base, chemically treated and weather-proofed, with tow hooks for easy moving.
6. No steel touches ground to rust out. Inverted V-shape air space under entire feeder. All wood surfaces coated with weather-resistant aluminum paint. Channel drain between each door to carry off water.
7. Built-in feeder "bib" prevents feed waste.
8. Adjustable Masonite and steel feed regulators—also act as baffle boards to assure automatic agitation of feed.

Sizes and Prices

No. 47-4B—4-ft. Hog Feeder with 8 Feeding Troughs (4 on each side). 2 Hopper Bin Compartments. Capacity, 1680 lbs. Wt. 325 lbs. Price, each.....	\$48.55
No. 47-6B—6-ft. Hog Feeder with 12 Feeding Troughs (6 on each side). 2 Hopper Bin Compartments. Capacity, 2520 lbs. Wt. 425 lbs. Price, each.....	59.40
No. 47-8B—8-ft. Hog Feeder with 16 Feeding Troughs (8 on each side). 2 Hopper Bin Compartments. Capacity, 3360 lbs. Wt. 535 lbs. Price, each.....	70.35
No. 47-B—Extra Partitions for any size feeder. Each.....	3.15



**Saves 30% of Feed
And 13% of Time to Market**

Says U. S. Dept. Agriculture

The self-feeding of hogs, as accomplished with a feeder constructed like the new Brower Hog Feeder, saves 30 per cent of the feed needed and 13 per cent of the time needed to condition hogs for the market, says the United States Department of Agriculture in bulletin No. 1504.

Also, tests of leading Agricultural Colleges prove the benefits of continuous hog feeding and confirm the fact that a great deal of feed is saved when hogs are self-fed. Besides, hogs are sped to market faster, and arrive at early markets when prices are higher.

The Brower Feeder with its individual hog troughs prevents rooting and wasting of feed. All feed goes into pork production. Smaller, younger hogs can eat and grow, too—plenty of individual troughs at which they can eat.

Feeding conditions are much more sanitary. Eliminates the danger of picking up disease germs from the ground, also danger of spoiled feed.

NEW! BROWER TURKEY FEEDERS

**Very Durable Permanent Type Feeder
Constructed of Steel and Masonite**

Capacity—1600 Lbs.

Saves Feed Costs—Helps Prevent Disease

Turkeys eat a lot of feed—save as much of your high feed costs as possible with a scientifically constructed Brower Turkey Feeder!

Cutting the amount of feed used is frequently the deciding factor between a substantial profit and an actual loss. Make more profit, too, by having your turkeys conditioned for early, higher market prices.

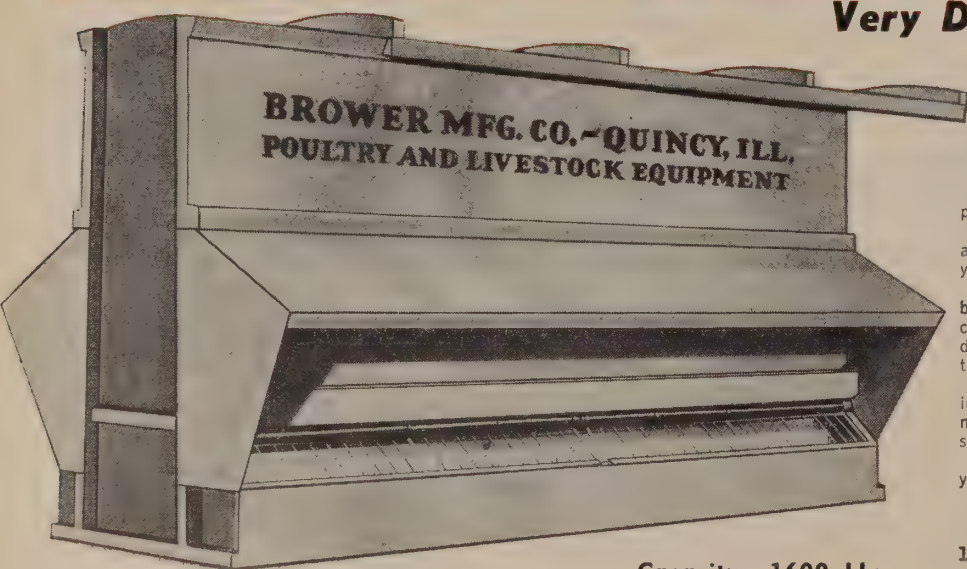
Turkeys are highly susceptible to diseases, many of which are contracted by picking up disease germs from ground feeding, and from feed that is contaminated by droppings. Eliminate this danger by using a scientifically designed Brower Turkey Feeder! Skids and tow hooks are provided on the base for easy moving.

The combination of steel lined with Masonite, built on a solid oak frame, insures durability and double strength. Hopper is impervious to moisture—no loss of nutritional values in feeds. No cracks or crevices where feed can spoil or become infested with worms or germs. No loss through rats or mice.

Just fill up the feeder once or twice a week, depending upon the size of your flock, and that disagreeable job is done.

CONSTRUCTION FEATURES

1. Entire body armored with heavy galvanized steel, lined with Masonite. Solid oak frame.
2. Bell-shaped feed hopper assures free flow of feed.
3. All-Weather sliding top—heavy galvanized steel on outside, insulated with Masonite.
4. Feed trough scientifically constructed so turkeys cannot roost on it. 8 ft. grill with welded steel bands properly spaced.
5. Steel canopy protects feed trough from weather.
6. Skids and tow hooks on the base for easy moving.
7. Built in feeder "bib" prevents feed waste.
8. Adjustable Masonite and steel feed regulators which also automatically agitate feed.



Capacity—1600 Lbs.

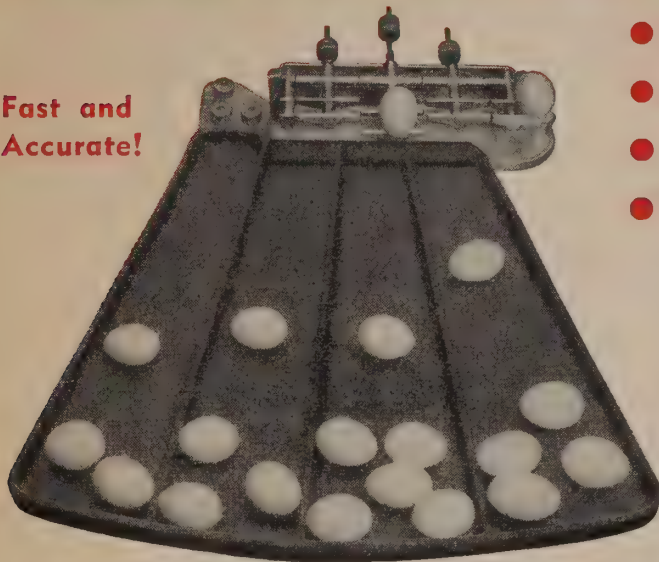
Size and Price

No. 47-90B—90-Inch Turkey Feeder. 15 feet of feeding space. Capacity, approximately 1600 lbs. Wt. 430 lbs. Each.....	\$69.95
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Will accommodate from 200 to 250 birds depending upon their size. Shipped knocked down and crated—easy to assemble.

BROWER'S *Quik-Way* AUTOMATIC EGG GRADER

**Fast and
Accurate!**



- Grades 3 to 6 Cases Per Hour
- Automatically Separates Eggs into 4 Grades
- Grader Made of Durable Cast Aluminum
- Soft Rubber Sponge Tray Avoids Egg Breakage

Grade your eggs this new easy way with Brower's Quik-Way Egg Grader. Fast and accurate, meets state grading laws.

On the market graded eggs sell from 3 to 10 cents more per dozen—these premium prices should soon repay you the cost of the grader.

Automatically separates eggs into 4 grades. Just place the eggs on the feeder—Brower's Quik-Way Egg Grader does the rest. Grades 3 to 6 cases per hour depending upon speed of operator.

No parts to get out of order and no adjustments to make after the balance weights are set. A child can operate it. Complete with test weights. Precision machined, quality construction throughout. Rigid aluminum base, adjustable screw leveling device. Tray made of extra soft molded rubber, protects against egg breakage.

Size: Width at rear, 16"; length, 25"; front, 23" wide, 3½" high. Shipping weight 9 lbs. Easily moved.

No. 47-2131—Quik-Way Egg Grader. Price each.....\$17.95
F. O. B. Quincy, Illinois.

JIFFY-WAY 4-COLOR EGG GRADER

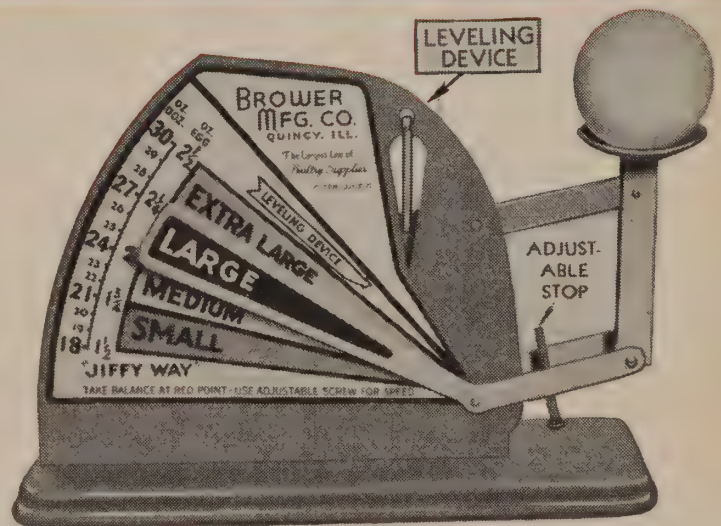
Accurate — Dependable — Lasting

Seven reasons why the Jiffy-Way Egg Scale and Grader weighs eggs accurately and assists poultry raisers to receive from 3 to 10 cents more per dozen, as compared with eggs not graded and candled.

1. Scale has a 4-color zone dial (red, green, orange, yellow) with large, easy-to-read figures, showing weight and grade of egg.
2. Adjustable stop screw can be set to any weight desired for hatching eggs. A great time saver.
3. Special leveling device with polished bearings, and no springs assure accuracy in weighing and grading eggs.
4. Large egg cup assists in protecting against egg breakage.
5. Weighs and grades eggs from 18 to 30 oz. per dozen instantly and accurately.
6. Simple and easy to operate, makes egg grading easy for children or women in the morning or evening.
7. Rigidly constructed of 22-gauge steel. Baked enamel finish, will give years of service.

Hundreds of hatcheries provide their flock owners and others who supply them with eggs, with Brower's Egg Graders and Candles for grading their eggs. This is a guarantee of size and freshness and assures them of a better hatch.

No. 47-JW-517—Jiffy-Way Egg Grading Scale. Weight, 2 lbs.
Size, 5½x7½ inches. Postpaid in U. S. A. Price each.....\$1.60



SOLD ON MONEY-BACK GUARANTEE
(See Guarantee Page 2)

EGG CANDLER

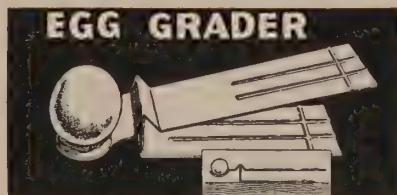


Makes Eggs Worth More Money — Candled Fresh Eggs Sell at 10 to 20% More

Polished metal, made to use on bench, wall or to hang up. Fitted with Underwriters' approved cord, plug and socket. Size, 8½x6½x5½". Weight, 3 lbs. For use on 110-volt A.C., 60-cycle.

No. 47-JW-717—Jiffy-Way Clear View Candler, less bulb. \$1.65
Postpaid in U. S. A.

ZIP EGG GRADER



Designed for weighing hatching eggs. Eggs weighing 23 oz. or more per dozen will tilt the grader, eggs weighing less will not. Fast and accurate. Every flock owner selling eggs to hatcheries or hatching them himself can now have an inexpensive, yet accurate grader. Every grader tested before shipping. No parts to get out of order, no adjustments necessary. Attractively lacquered. (Can also be furnished for eggs weighing 24 oz. or more per dozen, on special order at same price.)

No. 47-101—Zip Egg Grader. Wt. ¼ lb. Postpaid in U. S. A.
Price each.....\$0.40

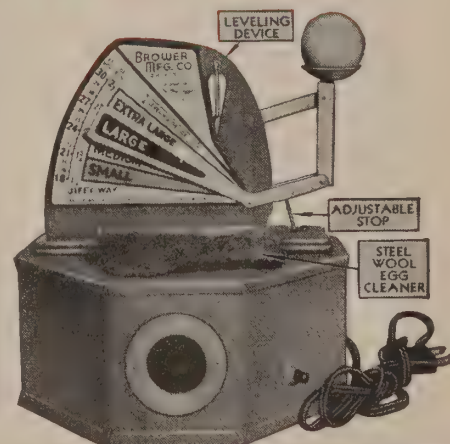
JIFFY-WAY 4-IN-ONE EGG GRADER — CANDLER AND CLEANER

Will increase egg profits 25 per cent. Farmers and poultrymen say they receive up to 4½ cents a dozen, or \$1.28 per case by using the Jiffy-Way 4-in-1 Egg Grader Candler and Cleaner. Substantially constructed—accurate in operation. The extra money received for graded eggs soon pays for grader.

CONSTRUCTION FEATURES

1. Four-color zone dial—easy to read figures.
2. Adjustable screw stop for any weight eggs. Weighs eggs from 18 to 30 oz.
3. Egg leveling device—polished bearings and no springs.
4. Large egg cup helps avoid egg breakage.
5. Light in candler reflected onto dial and into egg case through bottom openings. Easy and quick to operate. Soft pad on candler opening helps prevent egg breakage.
6. Steel wool pad on grader removes spots from eggs.
7. Strong steel construction, finished in baked green enamel. 8½" wide, 6½" deep, total height 10¾". Fitted with electric switch, rubber cord and plug and screw socket to use with 50-watt bulb, 110 volt A.C., 60 cycle.

No. 47-JW-617—Jiffy-Way 4-in-1 Egg Grader, Candler and Cleaner.
Wt. 4 lbs. Postpaid in U. S. A. less bulb. Price each.....\$6.55



BROWER'S DeLuxe 5 AND 8 GALLON FLOCK FOUNTAINS

ELECTRIC HEATED FOUNTAINS

Equipped With Automatic Snap Switch Heat Control

That Automatically Controls Water Temperature Up to 55° F.

CHROMALOX HEATER

Brower's New High Quality 5 and 8 Gallon Fountains are equipped with a Chromalox One Year Guaranteed Heating Element and a Micro Snap Action Switch which controls the heater so as to turn on at 50° F. and shut off at 55° F. regardless of sudden changes of weather. Micro Switch is set at factory, no regulating screws to set or cause trouble.

Does not overheat, no radio interference, no fire hazard.

Cuts electric costs as it shuts off when water reaches approximately 55° F., just the right drinking temperature.

Heating element is 100 watt, burns approximately one kilowatt in 24 hours depending on weather.

Size of electric heater, 16 inches in diameter, 6 inches high, furnished for 110-120 Volt A. C. only. 6 ft. Extension Cord, ready to operate.

HEAVY GALVANIZED STEEL

Brower's DeLuxe High Quality Fountains are made of heavy gauge galvanized steel, built for many years of service.

Easy to clean, Easy to carry and Easy to fill. Two air-lock tanks work on vacuum principle.

Outer tank slips off easily and inner tank is filled from the top. Inner tank has convenient handle. All Brass Automatic Spring Valve closes water outlet when outer tank is removed. 1 in. level of water is maintained by vacuum control.

Drinking pan is one piece die stamping—diameter 16½ in. and is 2 in. deep with smooth turned edge. Inner tank is securely soldered to the drinking pan. Tank diameter 12 in., watering space 2 in. wide.

Handles on side for easy removal of outer tank for refilling or cleaning inner tank.



See New All Brass Founts on Page 67

A new Brower development, the All-Brass Flock Fountain, is completely described on page 67. Available in 3, 5 and 8-gallon sizes, heated and unheated.

Also on page 67, see detailed description of Chromalox Heating Units furnished with both Galvanized and All-Brass Electric Founts.

How To Increase Egg Production 50%

Water at the correct temperature is a vitally important factor in obtaining maximum egg production from pullets or hens. Each hundred hens during heavy egg production will consume 6 to 8 gallons of water daily. 67 per cent of an egg is water. Give the hens a chance to produce all the eggs they are capable of—give them tempered water in a DeLuxe Heated Flock Fountain and see how they will lay many more eggs for you.

F. O. B. Quincy, Ill.

No. 47-5E Cap. 5 gal. 110-120 V.—A. C. only—Weight 15 lbs. Each..\$7.65

No. 47-8E Cap. 8 gal. 110-120 V.—A. C. only—Weight 19 lbs. Each.. 8.25

Hen Capacity—5 gal. up to 75 hens—8 gal. up to 100 hens.

Brower's De-Luxe Oil Heated Fountain

Efficient in Design Sturdy in Construction

For Pullets and Hens

Brower 5 and 8 Gallon High Quality DeLuxe Fountains are constructed of heavy gauge galvanized steel. Easy to Clean and Fill. Made with two air-lock cans. The outer can slips off easily, which permits filling inner can from the top.

The inner can is provided with a convenient handle for carrying. Note view at right. The all brass Automatic Spring Valve closes water outlet when outer can is removed. The level of water is maintained by vacuum control.

Drinking pan is one piece die stamped, diameter 16½ inches and 2 inches deep. Has roost-proof top caps.

Heater base 16 inches diameter, 9 inches high, equipped with sliding door. Oil bowl holds 1½ quarts of oil, will burn for several days.

Handles on side for easy removal of outer tank for refilling or cleaning inner tank.

Fitted with No. 2 Badger Chimneyless Burner.

No. 47-059L Cap. 5 gal. Weight 15 lbs. Each.....\$5.70

No. 47-089L Cap. 8 gal. Weight 19 lbs. Each..... 6.60

F. O. B. Quincy, Ill.



NOTE CONVENIENT CARRYING HANDLE



Easy to Carry Clean and Fill

BROWER'S Double Wall Fountain with Self-Closing Brass Spring Valve

For Chicks, Pullets and Hens

Substantial construction, advanced design and low price make this Fountain a superb value. Entire Fountain is constructed of heavy galvanized steel, double seamed and soldered. Sturdily built for years of service. It will stand up under the hardest usage. Easy to clean and fill. Made with two airlock cans.

The outer can slips off easily which permits filling inner can from the top. The inner can is provided with a convenient handle for carrying. The all-Brass Automatic Spring Valve closes water outlet when the outer can is removed and holds water in fountain until the outer can is replaced.

This releases the Valve and reopens water outlet to drinking pan. Water will not overflow or splash. Water level in drinking pan is vacuum controlled. The drinking pan is a one-piece die stamping, with smooth, turned edge. The inner can is securely soldered to the drinking pan.

Roost-proof top on outer can prevents fowls perching on top and contaminating drinking water with droppings. Provide one 5-gallon fountain for every 100 growing birds, or 75 hens; one 3-gallon fountain for 150 chicks.



**AUTOMATIC
BRASS VALVE**

**Easy to Carry,
Clean and Fill**

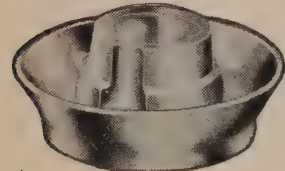
Cat. No.	Drinking Pan Diam.	Depth	Wt.	Price
No. 47-059—5-Gallon Fountain.....	16 7/8"	1 3/4"	11 lbs.	\$3.25
No. 47-2D3—3-Gallon Fountain.....	12 3/8"	1 1/2"	7 lbs.	2.10

F. O. B. Quincy, Ill.

Glass Pan Founts

For One and Two Quart and One Gallon Mason Jar Founts

An all glass drinking pan made of one piece of heavy flame polished glass. Forms a sturdy base for any Mason jar—one quart, two quart or one gallon. When jar or jug is inverted there is no splashing or water loss. Jar rests on shoulder of glass pan. There is plenty of drinking



space. No metal clips or parts to rust. Ideal for water, milk and medicated water. Easy to keep clean and sanitary. This is a very popular item. Use four for each 100 chicks.

No. 47-6P—All Glass Pan Fount (jars not included).

6 founts, Wt. 8 lbs. Price.....**\$0.75**
12 founts, Wt. 15 lbs. Price.....**1.30**

F. O. B. Quincy, Illinois

1 AND 2 1/2 GAL. DURAGLAS FOUNTS

Has a Screw on Durable Plastic Drinking Pan. Ideal for starting Chicks, Broilers or Poults. Will prove itself a real addition to the Brooder House or Broiler Pen. Made of strong Duraglas. Large opening. Easily and quickly cleaned. See illustration at left. Fount can be inverted without spilling a drop. Chicks will drink more out of a glass fount because the sparkle and bubbles attract them to the water. More water helps to promote faster growth. Glass being smooth is easier to keep clean and sanitary. It's easy to see when Founts need refilling. No danger of breaking from freezing. Drinking Pan is an EXCLUSIVE NEW DESIGN. Made of Plastic—Practically Unbreakable. Pan of 1-gal. fount is 6 1/2 inches in diameter, 1 1/2 inches deep with 1-inch drinking space. Pan of 2 1/2-gal. fount is 9 inches in diameter, 1 1/4 inches deep, and has 1 1/4-inch drinking space.



**Large Opening
Quickly Cleaned**

PRICES AND SPECIFICATIONS

No. 47-401—1-Gallon Duraglas Fount and Plastic Base Complete. Shipping Wt. 4 lbs. Price, each.....**\$0.65**

No. 47-405—2 1/2-Gallon Duraglas Fount with Plastic Base. Wt. 12 lbs. Price, each.....**2.05**

No. 47-55—2 1/2-Gallon Duraglas Fount with Steel Base. Wt. 12 lbs. Price, each.....**1.75**

F. O. B. Quincy, Illinois

For Water, Milk
or Medicine



*Patent Applied For

Mason Jar Founts

Made to fit any standard Mason jar. Die-stamped pan with smooth rolled edge. Have screw cap securely welded to pan. Will not break loose or rust out. Chicks do not get into pan. Made of heavy galvanized steel. Price does not include jars. Use 3 for every 100 chicks.

No.	Wt.	No. in Doz.	Ctn.	Price 6 for	Doz.	Gross for Price
No. 47-0....	4 lbs.	72	17 lbs.	\$0.55	\$1.05	\$11.30

F. O. B. Quincy, Ill.

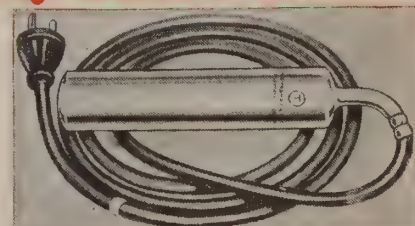


Trumbull Poultry Water Warmer

50° Fixed Temperature —
155 Watts — 25 or 60 Cycle,
110 Volts, A.C. Only

For use in drinking pans, pails or fountains. Completely water-proof. Should always be submerged. It is safe—no danger of electric shock—no fire hazard—no radio interference. Everyone who keeps poultry needs this water warmer—it's a sure defense against water freezing.

No. 47-2T—Shipping weight 1 lb. Price.....**\$4.00**
F. O. B. Quincy, Ill.



CHROMALOX HEATING UNIT

Made of Nickel Chromium Wire embedded in a special refractory and completely enclosed in metal—same heating element as furnished in the Brower DeLuxe Electric Heated Founts on pages 26 and 67. 100 watt.

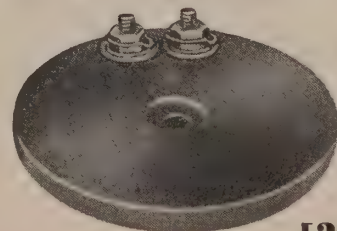
Dependable, very long life. Used to heat water-

Guaranteed One Year

ing founts, also ideal for heating small brooders, etc. See complete description of the Chromalox heating unit on page 67.

No. 47-132B—100-watt Chromalox Heating Element, diam. 3 1/8". Price, each.....**\$1.80**

F. O. B. Quincy, Ill.



Brower's HUMIDAIRE Incubators—Hatchers

For Higher Percentage Hatches of Chicks, Poults, Game Birds and Ducklings

The Humidaire Incubator is a masterpiece of mechanical perfection, providing more ideal conditions for every tray of eggs because of its fundamentally superior design.

This is the only incubator in the world in which the eggs can be turned without opening the cabinet, through a very effective electrical device whereby the eggs are turned simply by turning the incubator cabinet itself from one side to the other.

The Humidaire can be automatically set to turn every hour by the clock, or as often as desired. Your time can be engaged in profitable work elsewhere, without wasting hours and labor and time turning egg racks, as would be necessary with cabinet type machines. Also, multiple automatic egg turning increases hatchability, adding materially to your profits.

Lower Operating Costs

The compact, scientific design of the Humidaire Incubators cuts down the amount of waste space to be heated. The cost of heating waste space in old type cabinet incubators is an expensive operation, and it comes right out of the profits.

Also, there is less operating cost because the Humidaire is compact—all built in one unit. It does not require an egg tray box, or case, or cabinet, because it is in itself an egg rack and cabinet, all in one. The egg tray steel slides are built right in the incubating unit.

THERE IS A HUMIDAIRE SIZE FOR ALL NEEDS—Nine different models are listed here, from 400 to 10,260 egg capacity (information on larger models available on request) to fit the requirements of the poultry raiser, or the large commercial hatchery. In addition to the saving of heat and electric power, each model supplies humidity along with heat and is available with automatic turning—a practical profit-making idea to insure better hatches.

WORKS WHILE YOU SLEEP!

While you sleep, or while you go about your other duties, the "Human Mind" of the automatic electric turner turns the eggs for you every hour, day and night. An amazing invention mechanically perfected by the Humidaire Laboratories. This feature insures higher hatchability, too. Data compiled by Poultry Science shows that eggs turned every 14 minutes and every 30 minutes hatched 6.3 and 7.0 per cent better respectively than did the eggs in a check tray which were turned by hand three times daily.

Special Features of All Brower Humidaire Incubators

While it is impossible to list the exact features of all the different Humidaire models in this space here are a few of the features to be found on all models.

HUMIDITY CONTROL—Heavy gauge galvanized tanks in all Humidaire Incubators and Hatchers are equipped with electric strip heaters applied directly to and inside water pans. Gives warm, moist vapor in natural form. Special size and shape of water tanks makes a constant supply of moisture available. The amount of moisture can be increased or decreased by moving the heaters away from the water tanks with an adjustable arm.

VENTILATION—Large ventilating fans permit the entrance and exhaust of air throughout the hatching cabinet.

TEMPERATURE CONTROL—Positive mercury switch control insures that correct temperature is constantly maintained. No springs to stick or cause trouble. Adjustable. Snap switch relay. Highest quality wiring throughout.

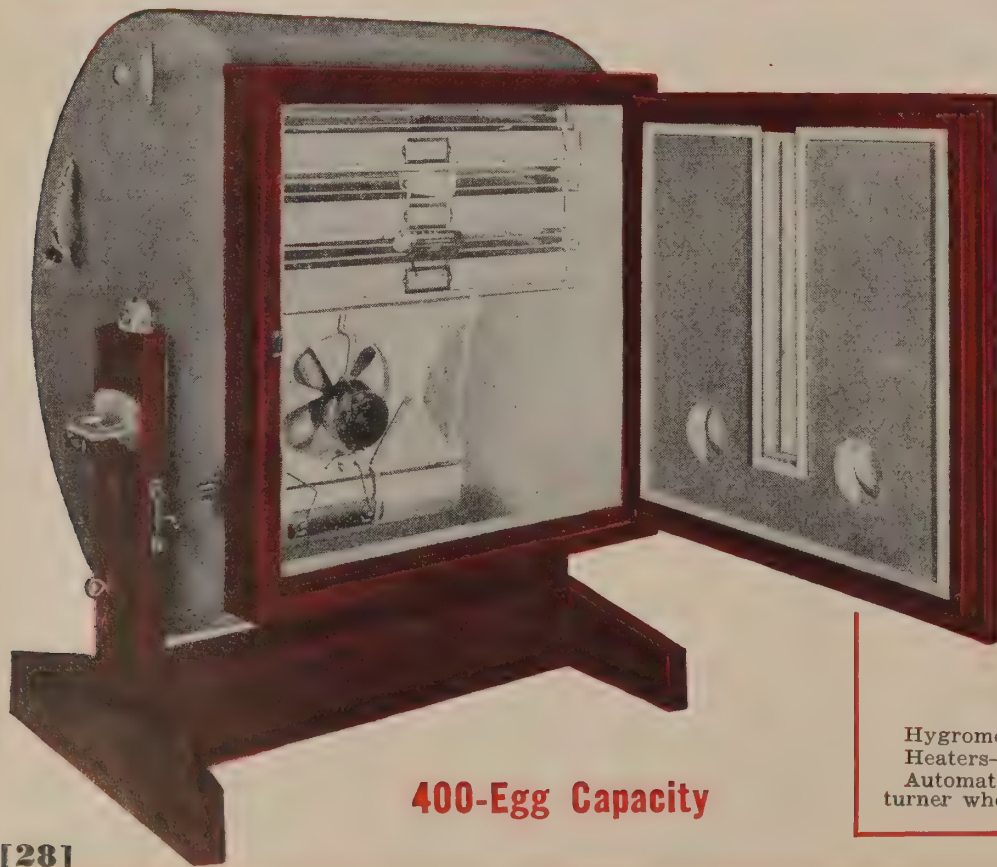
THERMOMETERS AND HYGROMETERS—Highest quality precision tested instruments, furnished with all models.

MOTORS—Highest quality furnished for exhaust fans.

ELECTRIC AUTOMATIC TURNERS—Precision built and wired for positive operation at all times.

CONSTRUCTION—Sturdily constructed throughout of white pine and masonite. Heavily insulated. Metal reinforced at all critical points. Nickel-plated hardware. Doors sealed with rubber cushion.

INCUBATOR TRAYS—Light enough for convenient handling yet well braced for rough usage. Heavy galvanized wire screen bottoms, reinforced with steel rods. Wood "shoe" hides and protects galvanized wire bottom and leaves no screening exposed at the edges. Smoothly finished. Provided with tray dividers. Card holder on all trays.



400-Egg Capacity

The No. 50 Humidaire (Pictured At Left)

The No. 50 Humidaire an inexpensive, yet very practical and economical 400 chick size incubator that is especially designed to meet the needs of the small flock raiser. Built of high quality materials, fully insulated, and low current consumption. Automatic heat control.

Specifications

Capacity—400 chicks, 285 turkey poults.
Floor space—28"x34".
Height to top of cabinet—44".
Incubator trays—3—17"x24".
Motors—1—8" exhaust fan.
Regulators—1 adjustable from outside.
Door rubber cushioned.
Thermometers—1 tray thermometer.

Hygrometers—1.

Heaters—150 watts.

Automatic Turner—Equipped with electric automatic turner when so ordered.

THE ONLY ELECTRIC AUTOMATICALLY TURNED INCUBATORS IN THE WORLD



**Above — The No. 300A Incubator With
Separate Hatcher — 2500 Egg Capacity**

Separate Hatcher and Incubating Unit on All Large Models

As you will note from the chart below, the 2500 capacity incubators and larger (also the Humidaire Hatchette) come complete with both an incubator and separate hatching unit. With this type of equipment you can set and hatch at any time. For example, with the No. 300A Incubator and Separate Hatcher, the capacity of the incubator is 1500 chicken eggs and the hatcher is 1000 eggs, making a total capacity of 2500 eggs.

Fine for poultry raisers, turkey raisers and game bird raisers. Eggs do not have to be held for over a few days, thereby increasing the hatchability of each setting.

Other Advantages of Separate Hatcher

1. **Greater Sanitation**—The incubator compartment stays clean. Dirt, down, and shells are confined to the hatching compartment and easily cleaned after each hatch. Removes all possible chance of contaminating the incubating eggs—the hatcher can be kept in a separate room if desired, and the power and heat in the separate hatcher can be shut off without affecting the incubator. No disease is tracked or carried into the hatcher because no one enters it during the hatching period.

2. **More Scientific Control of Incubating Conditions**—The separate hatcher makes it possible to supply the special incubating conditions necessary to prevent death of the embryo chick on the critical nineteenth day period. The cabinet of the hatcher is perfectly engineered. No metal lining behind which moisture and disease can lurk—just a trim, plain, waterproofed enclosure which can be quickly and thoroughly cleaned. Completely equipped with trays, ventilating fan, adjustable ventilating door, humidifying pan with electric strip heaters, mercury thermostat control, thermometer and hygrometer. Cabinet is heavily insulated.

Price List — Brower Humidaire Incubators

Model	Chicken Egg Capacity	Turkey Egg Capacity	Size	Shipping Wt. Crated	Price With Hand Turning Device	Price With Electric Automatic Turning Device
No. 47- 50 —Incubator	400	285	28"x 34"x44" high	220 lbs.	\$ 83.00	\$ 167.00
No. 47- 55 —Incubator	600	350	34"x 40"x44" high	300 lbs.	94.00	178.00
No. 47-100 —Incubator	750	600	44"x 34"x44" high	265 lbs.	140.00	224.00
No. 47-150 —Incubator	1,200	945	34"x 54"x45" high	400 lbs.	170.00	254.00
No. 47-200 —Incubator	1,500	1,150	34"x 60"x45" high	450 lbs.	200.00	284.00
No. 47-300A—Incubator and Separate Hatcher....	2,500	1,770	34"x 60"x45" high 42"x 29"x50" high	850 lbs.	303.00	387.00
No. 47-300 —Incubator and Separate Hatcher....	5,000	3,500	62"x 61"x 7' high 45"x 29"x50" high	1,835 lbs.	666.00	842.00
No. 47-450 —Incubator and Separate Hatcher....	8,280	5,400	62"x 90"x 7' high 44"x 56"x50" high	2,150 lbs.	842.00	1023.00
No. 47-500 —Incubator and Separate Hatcher....	10,260	7,140	62"x102"x 7' high 44"x 56"x55" high	2,400 lbs.	963.00	1144.00
Humidaire Hatchette	550	400	30"x 36"x62" high	415 lbs.	164.00	248.00

All Prices F. O. B. Factory.

NOTE: If you wish more complete information and specifications regarding any of the Incubators listed above, write for special Humidaire catalog. Also, if you are interested in larger Incubators than listed above, write for prices and catalog.

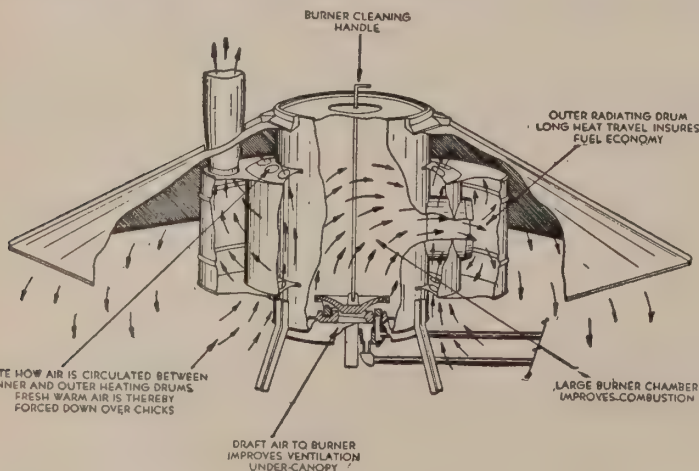
BROWER'S IMPERIAL

Twin-Blast—One of the Safest

Brower's Improved Imperial Twin-Blast Brooder is one of the finest Drum Oil Brooders on the market. It is recommended for many brooding purposes and is especially ideal for cold weather brooding. When it comes to radiating heat, few Stoves compare with it. It warms the whole house—not just the area under hover. It leaves no cold corners. With the Twin-Blast, the chicks are not confined to a small brooding area. There is no huddling—no crowding. They run about at will, eat more and grow faster. Being economical in operation, the Twin-Blast is ideal for large flocks, yet operates cheaply enough for the small chick raiser. It is also suitable for turkey brooding. The Twin-Blast Burner is designed to get more heat out of the flame. It forces super-heated air over outside of flame ring. The center heating space between inner and outer drum gives increased radiation—position of canopy enables a natural movement of fresh, warm air downward onto chicks. The outer radiating drum long heat travel insures added efficiency by increasing the amount of heat extracted from the flame.



Illustrated above is a Brower Equipped Broiler Raising Project at Beverly, Ill. There are 20 units, each with a Twin-Blast Oil Brooder. 5,000 broilers are raised at a time.



The above cross section view of the Improved Twin-Blast shows burner construction—oil intake—oil overflow—drum construction—long heat travel through outer drum—air circulation and extra radiation between inner and outer drums and burner cleaning handle.

[30]

12 BIG FEATURES

- 1 ECONOMICAL IN OPERATION.** It burns either kerosene (coal oil) or 38-40 distillate with almost perfect combustion and economy. Uses 1 to 4 gallons of oil a day, depending on weather.
- 2 FORCED DRAFT PRINCIPLE** draws unhealthy foul air from beneath canopy and whisks it up the flue—bringing in a supply of fresh air from the outside. This insures efficient circulation of air under canopy at all times.
- 3 ENTIRELY AUTOMATIC.** Positive heat control. Brower's time-tested Automatic Oil Valve and Wafer Thermostat regulates flow of oil to burner. Holds proper brooding temperature regardless of outside weather conditions.
- 4 THE SCREEN OIL FILTER** in tank and the gravity filter which is part of Drip Feed Oil Valve form a double system of oil filtration, which prevents sediment and water from getting into Valve and Burner and insures steady, troublefree operation without interruptions.
- 5 SEVEN-GALLON OIL TANK** with fine screen Oil Filter. Has shut-off valve just under tank. If desired, the fuel line may be connected to a barrel or fuel drum placed outside the brooder house. Oil tank stand furnished at no extra cost.
- 6 EASY-CLEAN BURNER FEATURE.** Handle of cleaning rod projects outside the heater lid. A turn of the handle cleans burner of soot and carbon without removing lid.
- 7 EASILY AND QUICKLY ERECTED.** Stove comes with drum assembled. Merely attach legs, oil pipe, control assembly, and brooder is ready to use.
- 8 SAFE TO OPERATE.** The overflow outlet is $\frac{1}{4}$ -inch iron pipe. Any overflow from burner will not drip into litter or on floor under stove. Safety baffle plate under burner protects litter under stove. Also protects burner from drafts.
- 9 OPEN TOP HEATER.** The heavy steel canopy ring leaves top of drum exposed for good heating efficiency and low fuel consumption.
- 10 DRAFT EQUALIZER.** Precision made and carefully balanced. Checks and equalizes any down or up drafts. This assures even operation and prevents putting out flame.
- 11 HINGED CANOPY** permits easy inspection of stove and chicks.
- 12 HAS 2-INCH SPACE BETWEEN INNER AND OUTER DRUMS,** creating an air heating and circulating duct with Extra heat radiating drum surface—extracts heat from heart of flame. Circulation forces warmed fresh air out over chicks. Drum made of heavy gauge steel.

Satisfied Twin-Blast Users

"Twin Blast Best Out of 14"

From Alabama—"I have one of your Twin Blast Brooders (oil). I would not sell it back to you for \$100.00. Out of 14 it is the very best I have."—M. B. Watts Store, Talladega, Ala.

Broods 500 Chicks 28 Below Zero

From Missouri—"I have had 500 chicks since Jan. 20th. In 22 to 28 below zero weather, the Twin Blast Brooder uses 4 gals. fuel oil in 24 hours and keeps a 11'x14' house warm."—Mrs. E. Hackel.

"Through Cold Weather and High Winds"

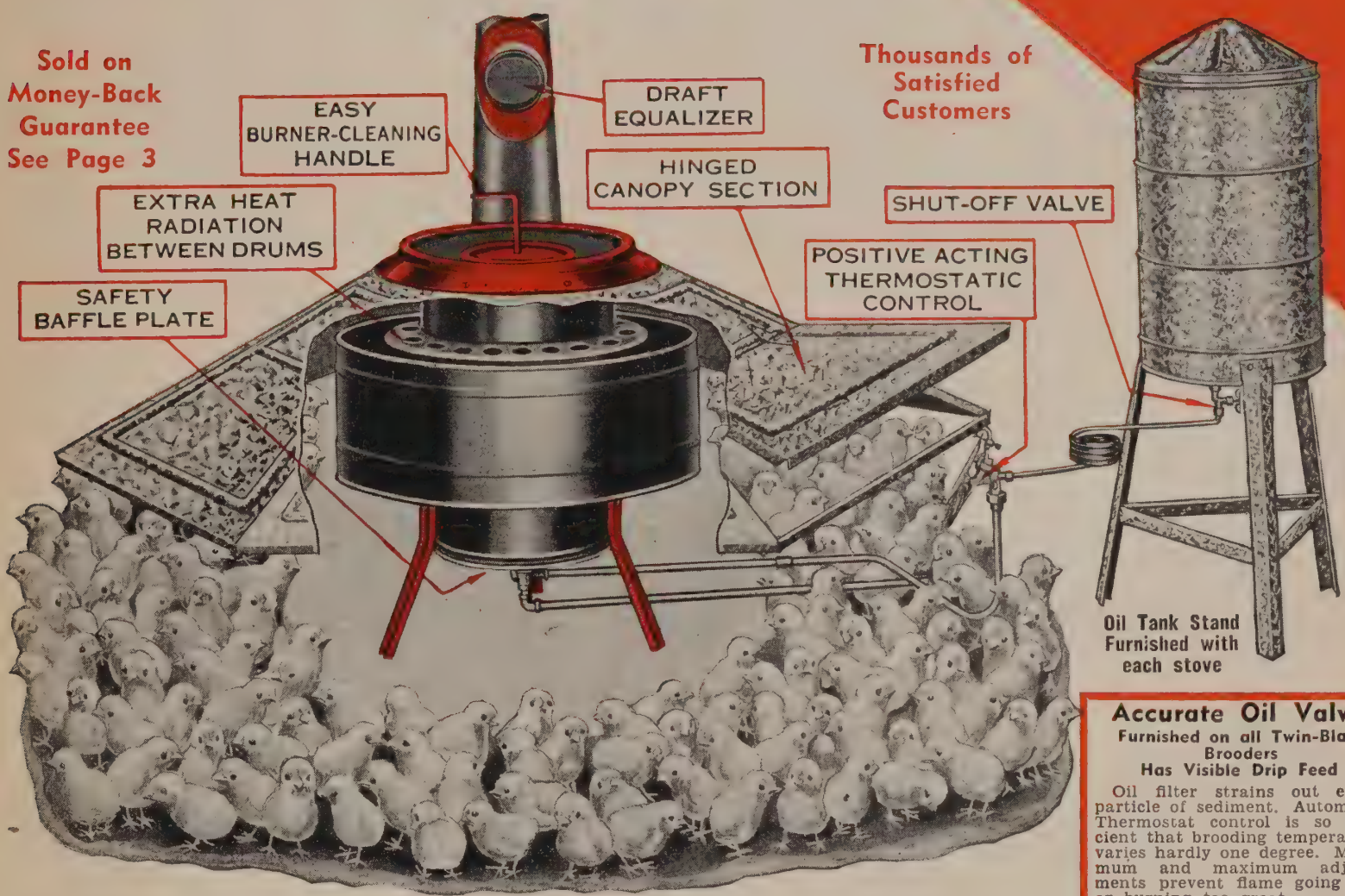
From Missouri—"I bought one of your drum type oil brooders from Fellow's Hatchery here in our town and certainly do like it in every way. I brooded 300 White Rock AAA chicks hatched the 15th of Feb. and as far as the brooder is concerned it is tops. So little care and went through cold weather and high winds like a real champion."—Rev. Robert J. Miller, Sr., Salisbury, Missouri.

Automatic TWIN BLAST OIL BROODER

FOR CHICK AND POULT BROODING

Sold on
Money-Back
Guarantee
See Page 3

Thousands of
Satisfied
Customers



Twin-Blast Combustion

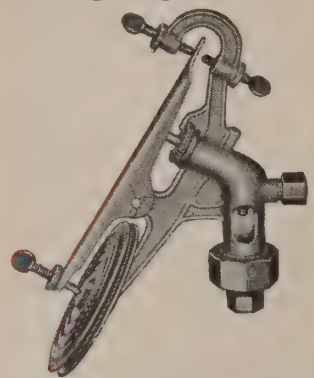
The heart of Brower's Twin Blast success is this patented burner. Oil enters into the circular or ring-like trough from which the vaporizing gases rise to mix with the twin columns of air entirely enveloping them. Operating exactly like the carburetor on your car, the burner thoroughly mixes gas with oxygen to secure perfect, clean combustion. Other burners pull the air over the oil, the Twin Blasts takes it both inside and outside of the oil ring. The better the mixture of air and gas, the better the combustion. This burner has a remarkably wide heating range. It will burn very low for warm weather, or, will really pour out heat when needed for cold or zero weather brooding. It needs no priming, has no wicks, can be relit with a match. A twist of the cleaner handle cleans burner. The Twin Blast will run over six months without any need of cleaning.

CAPACITY

It is the general practice to rate the chick capacity of drum brooders according to the heating capacity of the drum, leaving the selection of canopy size up to the buyer. One should not have over four chicks to every square foot of floor space. A house 10'x10' will afford sufficient floor space for 400 chicks.

Accurate Oil Valve Furnished on all Twin-Blast Brooders Has Visible Drip Feed

Oil filter strains out every particle of sediment. Automatic Thermostat control is so efficient that brooding temperature varies hardly one degree. Minimum and maximum adjustments prevent flame going out or burning too great.



Oil Valve thermostat control. Complete with Wafer. Price\$3.50

Twin-Blast Prices and Specifications

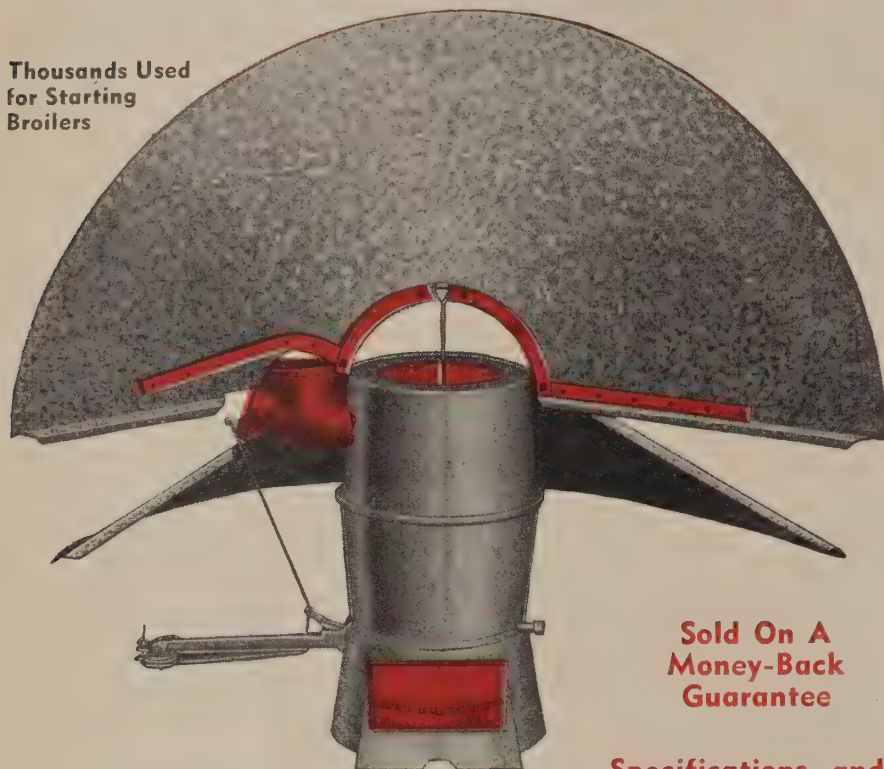
Catalog Number	Complete Brooder	Dia. of Canopy	Dia. of Drum	Recommended for Houses up to	Day-Old Chick Capacity	Shipping Weight	Price
47-2155—Twin Blast	With 6-Section Canopy	55"	21"	10'x12'	425	66	\$24.00
47-2465—Twin Blast	With 6-Section Canopy	65"	24"	12'x16'	525	77	28.95

For each Brooder, order 5 Joints of No. 67 Stove Pipe, one No. 155E Roof Saddle, one No. 12C Brooder Thermometer.....\$5.15
F. O. B. Quincy, Ill. Easily and Quickly Set Up and Installed. [31]

BROWER'S

COAL-MASTER

Thousands Used
for Starting
Broilers



**Sold On A
Money-Back
Guarantee**

An Improved — Bigger — Better Constructed Coal Brooder

BURNS HARD OR SOFT COAL

Thousands of these Brooders are in use in the Eastern States; also Arkansas and other States—by broiler producers. Its use guarantees the safety of supplying chicks with a correct brooding temperature in all kinds of weather, day or night. Burns hard or soft coal or coke.

Compare These Features With Any Coal Brooder

Five-inch pipe collar with automatic check draft at top side of stove regulates draft and heat.

The big capacity non-clog fire bowl, made extra deep of heavy castings, holds heat evenly and insures longer life. Upper flue cylinder overlaps fire bowl making an air-tight joint. Upper and lower bowls are bolted together securely.

Non-clogging rocker grate insures feeding of coal to fire and avoids clinkers and ashes interfering with operation of stove. Holds a uniform fire for many hours.

Extended base prevents live coals dropping on floor when shaking grate. Ash pan furnished. Large 9" opening for convenient fueling.

Special double thermostat insures positive control over direct draft and check draft controlling fire and brooding heat day or night. Sensitive all brass thermostat wafer on patented baffle arm expands and closes automatically operating draft controls, insuring proper brooding temperature at all times in coldest of weather. Large 5" pipe collar.

Round double hinged canopy made of heavy gauge steel has heavy cast iron ring. Roost-proof Canopy has wire bound edge for rigidity. Entire half of canopy easily lifted for quick access to stove or chicks and for removing ashes and refueling.

Specifications and Prices

Cat. No.	Diameter of Canopy	Coal Capacity	Height	Size of Grate	Approximate Chick Capacity	Shipping Weight	F.O.B. Quincy Price
47-4B56	56"	60 lbs.	24½"	11"	500-750	127 lbs.	\$27.25

For each Brooder, order 5 Joints of No. 67 Stove Pipe, 1 No. 155E Fire-Guard Adjustable Roof Saddle, 1 No. 12C Brooder Thermometer. Price \$5.15

BROODER STOVE ACCESSORIES



Adjustable Fire Guard ROOF SADDLE

Where Oil, Coal or Wood Burning Brooders are to be used, as a fire protection, every brooder house roof should be fitted with a Fire Guard Roof Saddle. Made of galvanized iron. It is rainproof. Base being adjustable fits flat or up to 45 degree roofs. Pipe extension is 14" long. 5" stove pipe fits into it. Weight 6 lbs.

No. 47-155E—5" Roof Saddle, each.....**\$2.45**
F. O. B. Quincy, Ill.



Brower's Draft Equalizer

A valuable addition to any Oil, Wood or Coal Stove. Assists greatly in creating a steady continuous draft, especially during times of high winds. Helps to prevent back drafts, economizes on coal consumption and makes the operation of an oil stove smoother. 8" long Pipe made of Blued Steel—Equalizer Collar pressed steel with balanced damper.

No. 47-145—Draft Equalizer. Size 5". Wt. 2 lbs. Price each.....**\$0.70**
Packed 1 in Carton, F. O. B. Quincy, Ill.

Brower's Revolving Flue Cap

Used on top of smoke pipe stack, Brower's Revolving Flue Cap will increase the efficiency of any brooder stove. It absolutely eliminates the possibility of down drafts, as the vane turns with the slightest breeze. Also prevents driving rain or snow blowing down, inside the pipe and interfering with regulation of fire and heat control. Made of rigid galvanized steel. Fits only 5" stovepipe.

No. 47-705—REVOLVING FLUE CAP. Dia. 5".
Weight each 2 lbs. Price each.....**\$0.60**
F. O. B. Quincy, Ill.



Brower's Brooder Stove Pipe With "Snaplok" Feature

Easiest of all to set up. Requires no tools—no hammering—no rivets. It is put together as shown in illustration to right. The "SNAPLOK" Feature gives a secure lock the full length of joint. Can be cut into any fractional length without destroying the locking feature of cut pieces. Impossible to collapse or expand when joints are fitted together. Joints of 24" length.

No.	Material	Size	Wt. Doz. Joints	Price per Joint	Dozen Joints	Case of 25 Joints
47-67	28 ga. Galv.	5"	28 lbs.	\$0.47	\$4.88	\$9.61

F. O. B. Quincy, Ill.



The Brower Manufacturing Company

*Manufacturers and Distributors of the
"World's Largest Line of Poultry Supplies"*

"For Quality Poultry Equipment Look To Browers." This has been a byword of poultrymen for many years—and it's truer than ever today. Because, more and more new items have been added to Brower's complete line of quality products. Both new and regular items have many new, advanced features... they are the very latest in design, durability, economy and labor-saving features.

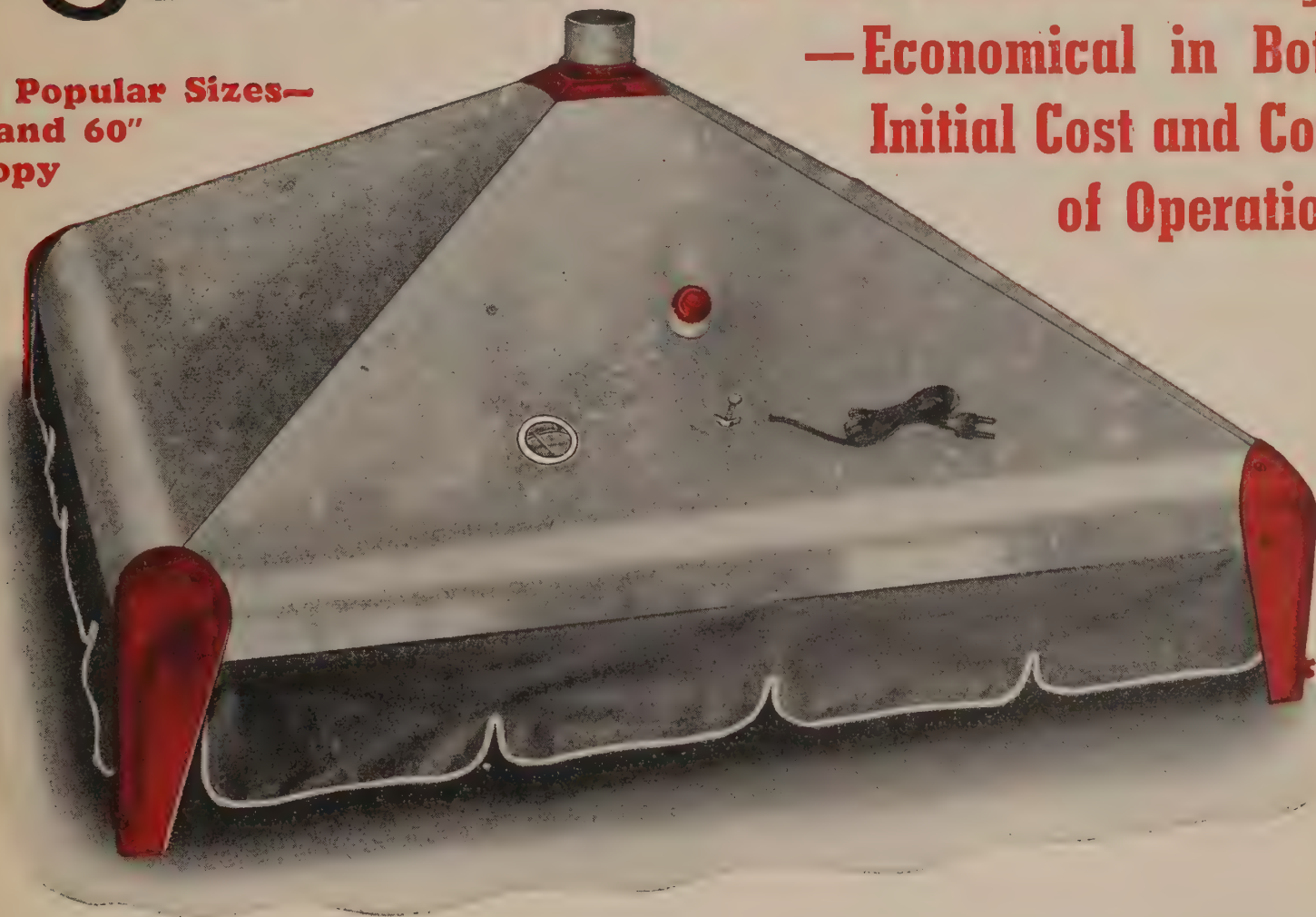
So remember, "Your best bet is Browers" and send for the poultry equipment you need today. Each item in this catalog is fully guaranteed to be as represented—we want you to always be satisfied with your dealings with Browers.

BROWER'S SUN-RAY

Electric Brooder

**Two Popular Sizes—
46" and 60"
Canopy**

**New Streamlined Design
—Economical in Both
Initial Cost and Cost
of Operation**



Below is an interior view of the "working parts" of the Brower New Improved Sun-Ray. Visible under the canopy are the galvanized wire enclosed nichrome heating element, the brass enclosed bimetal thermometer which extends into the interior of the brooder, the positive action bakelite enclosed switch and thermostat, the interior attraction light and the central ventilation tube.

Special Features

- 1** Brower's New Magnetic Snap Action Fully Enclosed Switch (see page 39) combined with a reliable wafer thermostat assures accurate temperature control. No radio interference.
- 2** Adequate Size Nichrome Wire Heating Coil, fully enclosed in galvanized wire insures plenty of heat and sufficient circulation. See inside view of brooder below.
- 3** Insulation — ½-inch thick masonite insulating board over entire heater assembly.
- 4** Ventilation — 3½-inch diameter central tube assures proper circulation of stale air out of the brooder.
- 5** Accurate, easy-to-read dial type thermometer. (See page 41.)
- 6** Rigid, Sturdy, Galvanized Steel Construction. Legs adjust for different size of chicks. Roost-proof canopy.
- 7** Curtain Made of Heavy Material, scalloped to permit easy entrance and egress of chicks. Bound With Sturdy Tape. 7½-Watt Exterior Pilot Light shows that the brooder is operating, and a 7½-Watt Red Interior Attraction light is furnished. Brooder is complete with heavy-duty cord and plug.



Produce Low Cost Pullets and Broilers

Here's the new improved Sun-Ray! A brooder that is low in price, yet very dependable and cheap to operate.

New features make the new Sun-Ray a real "knockout." Same type nichrome heating coil as in Brower's famous Watt-Saver Brooder. Free circulation of fresh air all the way to the floor.

Smooth, streamlined edges—chicks can't roost on top, rounded corners collect less dirt. Very attractive and eye-appealing.

Requires only 2-6 kilowatts of current per day, depending on weather and construction of house. Complete temperature control with Brower automatic switch and thermostat wafer. Switch enclosed in dustproof bakelite receptacle—no radio interference.

Brood with electricity—less work, less fire hazard, cleaner, easier, more convenient. All you do is turn current on and off. No oil, coal or ashes to fool with.

Sun-Ray Prices and Specifications

- No. 47-46B—Sun-Ray Brooder, 46x46 in.,** has 2,116 sq. in. of brooding area, capacity 300 day-old chicks. Fully equipped with 800-watt nichrome heating element, as illustrated. 110-120 volt, A.C. only. Shipped K.D., shipping weight 37 lbs.
Price, each **\$20.80**
- No. 47-60B—Sun-Ray Brooder, 60x60 in.,** has 3,600 sq. in. of brooding area, capacity 500 day-old chicks. Fully equipped with 1,000-watt nichrome heating element, as illustrated. 110-120 volt, A.C. only. Shipped K.D., shipping weight 61 lbs.
Price, each **\$26.40**

F. O. B. Quincy, Ill.

BROWER'S Streamlined

Fan-Type With Nichrome Heating Element

Here's the very latest thing in floor-type electric chick brooders—Brower's Streamlined Watt-Saver.

This is a 1946 model brooder that has all the advantages Brower's said they would bring you in postwar model brooders. And besides all of its dependable and practical mechanical features, this brooder is the ultra-modern streamlined brooder that you have a right to expect of your 1946 poultry equipment. It is the smoothest looking, most attractive brooder on the market anywhere today! It has eye-appeal plus! It is Brower's Streamlined Watt-Saver!

Many Exclusive Features Not Found Elsewhere

We could talk for pages and pages about the many exclusive advantages of Brower's new Watt-Saver Brooder, and in fact many enthusiastic customers are praising to the skies the advantages of this sturdy and dependable electric brooder.

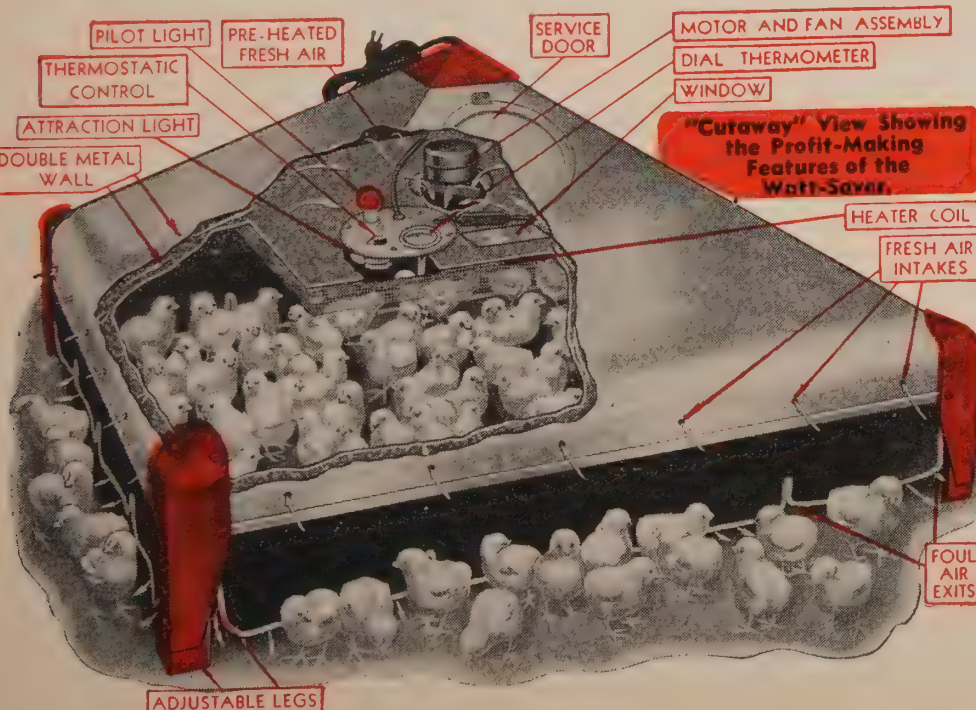
After you admire its streamlined appearance, your attention is drawn to the double metal walls of the canopy. Besides being a very valuable insulation feature, these double walls are designed to completely ventilate the brooder with fresh, pre-heated air.

The "cut-away" photo below shows how fresh air is drawn in through small holes in the lower edges of the metal canopy. This fresh air is drawn up to the top of the brooder, where it is pre-heated, then drawn down through the Nichrome heating element and circulated through the brooder by a specially constructed three-blade fan.

Through the service door at the top of the brooder you can check the temperature inside the brooder as registered on the easy-to-read dial thermometer (fully described on page 41), quickly adjust the heat with the Brower magnetic snap action switch and thermostat, and inspect the chicks through the observation window. The pilot light shows you at a glance that the brooder is operating.

Germ Killing Sterilamp Available

On page 36 is completely described the modern method of killing dangerous germs under the brooder canopy. You can use the proven values of ultra-violet rays to eliminate the big majority of air-borne germs causing pneumonia, influenza, bronchitis, tracheitis and other diseases. Baby chicks huddled closely together under a brooder are easily susceptible to these dangerous diseases that quickly pass from one chick to another, and often may wipe out an entire brood. Eliminate this danger with a low-cost STERILAMP fixture for your Watt-Saver Brooder. See complete description, price, etc., on page 36.



Doesn't Take Much "Juice" — Power Savings Should Soon Pay the Cost of Your New Brooder

We feel confident that there is no better electric brooder made than this Watt-Saver fan-type. It is very economical to operate—you can brood chicks at a cost of only 1c to 1½c per chick. Brooding with oil costs between 2½c and 3c per chick, so you can see that the savings in cost of operation alone are considerable. These savings should soon pay for a Brower Electric Watt-Saver.

The double wall ventilation system exclusively engineered by Brower for the Watt-Saver Brooder, the large size nichrome heating element and the special fan combine to give this brooder the best heating system available. You can really control heat and ventilation in the Brower Watt-Saver Brooder in zero and all kinds of weather.

The heat is forced down to the floor and to the edge of the curtains. No dampness or foul air remains under the canopy to make the chicks sweat. Since the heat is even throughout the brooder, the chicks do not crowd under the heating unit—there is no piling up and smothering as the foul air is forced out of the brooder at the bottom of the curtain (see diagram below). Heat is used that would be wasted if allowed to escape through the top of the canopy. This means reduced power and brooding cost—more savings that put money in your pocket.

Patented Features

10 Watt-Saver Features That Cut Brooding Costs

- 1 Fan circulation allows no warmed air to escape through canopy wall, until it has completely circulated through the Brooder. This is a Brower Patented Cost Reducing Brooding Feature found only in Brower Watt-Saver Brooders.
- 2 All incoming fresh air drawn by fan into openings at bottom of canopy is preheated as it passes between the double wall. Then it is drawn down and circulated quietly through a Brower wire-enclosed Nichrome heating unit at the correct brooding temperature, automatically controlled by a Brower Patented No. C-38S Magnetic Thermostat Switch.
- 3 Chicks breathe no stagnant or damp, foul air as a specially constructed 3-blade fan forces all foul air out under edge of curtain, leaving litter and droppings always dry. Fan allows no cold air to come under canopy curtain to chill chicks and cause them to pile up and smother.
- 4 Roost-proof, Rigid, Galvanized, Streamlined Designed Canopy has smooth seams, making it impossible for chicks to smear droppings on it. No metal parts or operating instruments on canopy for chicks to roost on (an exclusive Brower feature). Legs are streamlined, and adjust from 5½" to 8½" in height. Height under canopy and heating unit: 300-chick capacity, 12½" to 15½" —500 capacity, 13½" to 16" high. This allows plenty of height to brood chicks or poults of various ages.
- 5 Two rigid angle iron canopy support brackets hold canopy in rigid upright position when raised for cleaning.
- 6 Heating Element is of Nichrome Coiled Wire. Is one of the most efficient brooding elements, because it is enclosed and suspended in an open wire unit that permits fan to circulate pure, fresh air over and through it, then over chicks and to all parts of brooder. Wire screen protects it.
- 7 A Brower No. H-38S Magnetic Thermostatic Controlled Snap Action Switch automatically controls brooding temperature to any set degree for chicks or poults of any age (even in zero weather). No Radio Interference.
- 8 Eight-inch convenient, easy-to-reach Service Door allows easy access to enclosed metal compartment, that protects all working parts, i.e., Fan, Motor, Thermostat Heat Control, Thermometer, Pilot and Attraction Light. Window for chick inspection.
- 9 Curtain of Heavy Denim, tape bound.
- 10 The rigid, all galvanized steel, roost-proof canopy and its scientific construction, guarantee years of money and time-saving brooding service. A Watt-Saver is the cheapest brooder to buy regardless of price, as the value (in dollars) of chicks, feed, and electricity it will save should soon pay its cost.

Watt-Saver Prices and Specifications

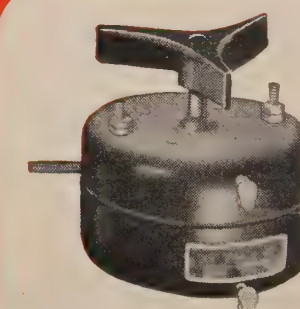
Catalog No.					
47-1046—Watt-Saver.	Chick capacity, 300; size canopy, 46"x46"; wattage, 800 A.C. Complete as illustrated.	Wt. 49 lbs.	Price.....	\$33.55	
47-1060—Watt-Saver.	Chick capacity, 500; size canopy, 60"x60"; wattage, 1,000 A.C. Complete as illustrated.	Wt. 80 lbs.	Price.....	40.45	
47-5046—Watt-Saver with No. 793 STERILAMP Fixture,	complete as described on page 36.	Wt. 53 lbs.	Price.....	43.85	
47-5060—Watt-Saver with No. 793 STERILAMP Fixture,	complete as described on page 36.	Wt. 84 lbs.	Price.....	50.75	

Above Prices are F. O. B. Quincy, Ill.

WATT SAVER ELECTRIC BROODER



Cut Your Heating Expense to the Bone—Put More Poultry Profits in Your Hip Pocket—With a Brower Watt-Saver Brooder



Dependable Electric Fan With Specially Designed Blades

The electric fan furnished as standard equipment in all of the Watt-Saver fan-type electric brooders, is pictured here. This fan is powered by a very dependable, fully enclosed electric motor. No dust can enter to hinder its operation. Two handy oil cups are easy to reach through the service door of the brooder, and if necessary the whole motor and fan can be easily removed. Silent, dependable operation that circulates the air just right, without causing drafts.

Another very practical feature of the Watt-Saver consists of two extra steel "legs," or brackets, that enable you to tip the brooder up vertically at any time, to observe chicks more completely, or arrange waterers, feeders and litter. No extra supports required to tip up the brooder, as shown at right.



Poultry Equipment Situation

January 1, 1947.

Due to the critical shortage of steel and some other materials, we are unable to make immediate shipment of all items listed in our No. 59 Catalog. To save time and unnecessary correspondence, we list below which merchandise is available for immediate shipment, and give the approximate shipping dates of those not now in stock. In regard to those items marked "indefinite," it is impossible to tell at the present time when we will have an available supply. However, we will send you further notices every 60 to 90 days, to inform you when you can obtain them.

Also, we call attention to the fact that the items that are marked as being available "at once" or within a short time will not last long, due to the volume of orders now being received.

Therefore, it is important to order now the supplies you will be needing in the next few months — to avoid delay and disappointment later.

Page	Description	Available
16-20	All Batteries	Aug. 1, 1947
21	Masonite Nests	Feb. 15, 1947
	365 Feeders	At Once
	368 Feeders	Sept. 1, 1947
22	295 and 298 Flock Feeders	Sept. 1, 1947
23	48B and 36B Feeders	Indefinite
	Balance of Items	At Once
24	Hog and Turkey Feeders	Indefinite
25	All Items	At Once
26	089L Oil Heated Founts	Sept. 1, 1947
	Balance of Items	At Once
27	059 Fountains	Feb. 15, 1947
	2D3 Fountains	Indefinite
	Balance of Items	At Once
28-29	Incubators	Write for Shipping Date
30-32	All Items	At Once
33	Sun-Ray Brooders	Feb. 1, 1947
34-42	All Items	At Once
43	716 Tray Cleaner with Motor (Can Supply 717 Wire Brush Only)	Indefinite
	Balance of Items	At Once
44-47	All Items	At Once
48	Lau Fans	Write for Shipping Date
	Window Materials	At Once
49	All Items	At Once
50-56	Feed Mixers	Write for Shipping Date
57-67	All Items	At Once

BROWER MFG. CO.

QUINCY ❖ ❖ ❖ ILLINOIS

*Be Sure to Order
A Supply of ...*

BROWER ALL-BRASS FOUNTS

No. B5E
— 5 Gal.
Electric
Heated
All-Brass
Flock Fount



GUARANTEED FOREVER

AGAINST RUST!

When you place your orders for Brower poultry equipment, be sure not to miss the popular new All-Brass Founts that are illustrated and described on Page 67 of the catalog.

Brower's new All-Brass Founts have "scooped" the poultry equipment field. Thousands of them are now in use — affording absolute protection against rust — designed to last for many extra years of trouble-free service.

Brower All-Brass Founts are manufactured in 3, 5 and 8 gallon sizes without heaters, and the 5 and 8 gallon sizes are available with oil or electric heated bases. The bases are constructed of heavy galvanized steel.

All-Brass Founts are equipped with automatic brass float valves that freezing will not injure. Oil heated models are fitted with 1½ qt. lamp burner and convenient door for filling and lighting. Electric heated models equipped with one year guaranteed Chromalox heating element with Micro snap action switch. Convenient carrying handle. Sanitary — water in drinking pan does not come in contact with water in the tank. Roost-proof top. All parts removable for easy cleaning. Easy to clean, carry and fill.

For More Complete Description and Prices, See Page 67, Catalog No. 59.

BROWER'S Ultraviolet STERILAMP* fixture

Stops Death Losses

One of the most serious problems of poultry raising has been the high death loss of chicks in the brooder house. Thousands of poultry raisers have seen their investments in chicks suddenly wiped out by lightning-fast attacks of chick disease, such as brooder house pneumonia, influenza, bronchitis, tracheitis, and others. The reason for this is that baby chicks have very little resistance to air-borne infectious diseases. Yet, under even the most sanitary brooding conditions, these infectious disease germs creep in. And once the germs have entered the brooder house, there is usually no effective way of checking their spread.

Develops Ultraviolet Rays

But now, the wonders of electronics offer a solution. The new STERILAMP, an electronic achievement of Westinghouse, develops and radiates ultraviolet rays that kill almost all disease germs that come in the path of the rays. Other benefits of the STERILAMP are that its rays destroy dangerous litter molds, reduce unpleasant odors, and purify the air.

Kills Air-Borne Bacteria

The effectiveness of the STERILAMP in killing air-borne bacteria and providing more healthful and sanitary conditions has been tested and proven in hundreds of cases. STERILAMPS are widely used by pharmaceutical houses and in blood plasma rooms, food processing plants, breweries, bakeries, offices, schools, and many other places to prevent spoilage, kill air-borne germs and reduce objectionable odors. Hatcherymen and poultry raisers who have used the STERILAMP report it definitely lowers chick losses, usually checks respiratory disease, improves the general health of the chicks, helps produce faster gains, and improves feathering.

No Extra Cost to Operate

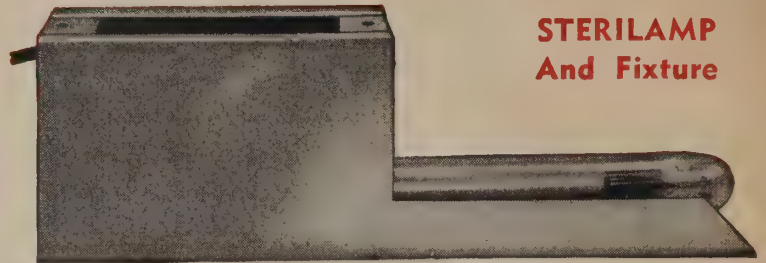
View at right shows how Brower's STERILAMP Fixture is installed in Brower's Watt-Saver Electric Brooder, shown on pages 34-35. Note fixture is plugged into attraction pilot light socket; then STERILAMP also acts as attraction light—hence can be operated at no extra cost in Brower's Watt-Saver Brooder, or any other type of Electric Brooder using an attraction light of 6 watts or less.

Easily Installed

Easily installed on any type Brooder. You can install the STERILAMP yourself. Simply attach the STERILAMP to the underside of any brooder canopy . . . electric, oil, wood or coal, and plug into convenient socket. This STERILAMP is for use under the Brooder only—not in the house. Will also protect small incubator, utensil cabinet, retail meat display case, reach-in coolers, etc.

Lamp Guaranteed for 4000 Hours

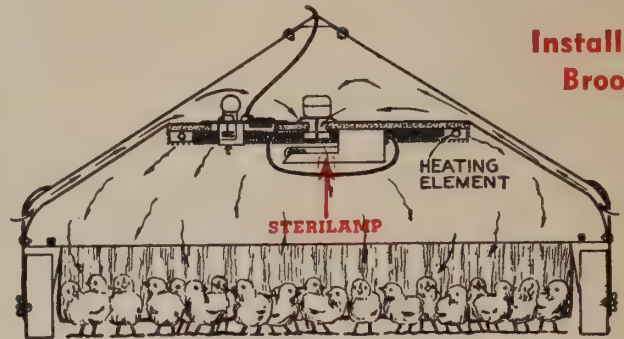
The STERILAMP is guaranteed for 4000 Hours—(more than 4 brooding periods longer than 6 months' continuous service). If you generally start one brood of chicks per year the lamp will last for over 4 years. The pro rata cost per brood or per year is therefore very small. Give your



**STERILAMP
And Fixture**

No. 793 STERILAMP Fixture Complete

*STERILAMP Reg. U. S. Pat. Off.



**Installed in
Brooder**

Illustrated above is Brower's Watt-Saver Brooder showing how No. 793 STERILAMP is installed.

chicks the disease-killing ultraviolet rays with the new STERILAMP . . . raise better chicks . . . protect your investment!

PRICES

No. 793—STERILAMP Fixture Complete as illustrated with WL-793 STERILAMP, ready to attach under canopy of any make of floor type brooder. Wt., 4 lbs. . . . **\$10.30**

No. WL-793—STERILAMP only to fit No. 793 Fixture. Wt., 1 lb. . . . **4.00**

F. O. B. Quincy, Ill.

BROWER'S ALL-BRASS ARISTOCRAT FLOAT VALVES

Save All the Time and Labor of Carrying Water

Brower's New Design All Brass Valve will do that and it will automatically regulate a continuous flow of fresh water and keep it any desired level, in troughs, buckets or crocks, for hens, turkeys, pullets, broilers, chicks, in poultry houses or on range; also used in Furnace Humidifier Tanks.

An egg is 67 per cent water and in order to receive the greatest egg production from hens, it is absolutely necessary to have a sufficient supply of fresh water handy. The valve of the extra eggs you can receive from 8 to 10 hens with an ample supply of water before them will soon pay cost of valve.

Has a regular 1/4" pipe connection and can be adjusted for use on city water pressure. Can be fitted to any size pipe by use of reducer coupling. Being all brass, freezing will not injure it.

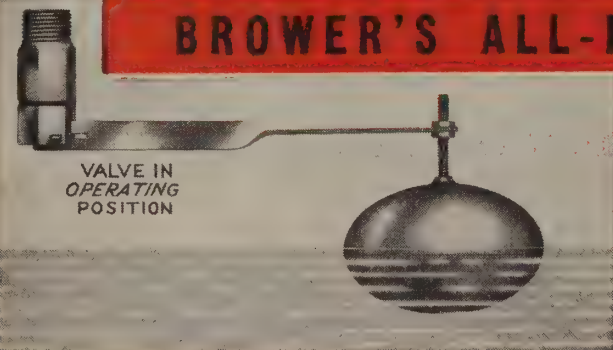
See view showing valve raised up and sliding arm in slot that closes water supply when cleaning containers. (A special improved feature no other valve has.) Float can be used under or over bar arm to suit depth of water.

The best constructed valve on the market for regulating water in Furnace Humidifier Tanks. Economical in price, easy and simple to install.

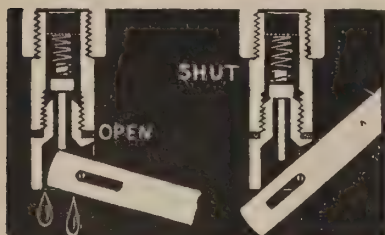
No. 47-455—Brower Adjustable Float Valve. Weight, 8 oz. Postpaid. Each. . . . **\$1.15**

Special Features

1. Automatically Controls Water Supply.
2. Cross - Section View shows Construction of Valve. Float Arm Automatically Opens and Closes, Controlling Water Supply at Any Level. Top View Left Shows Operating Position.
3. All Brass Construction.
4. Freezing Will Not Injure It.
5. No Parts to Rust.
6. Sold on a Money - Back Trial Guarantee.



VALVE IN
OPERATING
POSITION



**Left — Cut-away
View Showing
How Valve Is
Closed When
Bar Arm Is Raised**

WIRE GUARDS FOR PAN FOUNTS



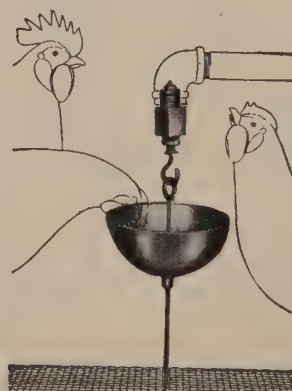
Can be used with a galvanized pan or small enamel pans, and a Brower Aristocrat Float Valve (pictured above) to make a very satisfactory watering device. Used in connection with a pressure water or barrel system, a constant supply of fresh water can be furnished. Provide your hens with plenty of water and insure maximum egg production.

Guards are rigidly made of heavy galvanized wire. Electric welded.

Diameter, 17"; height, 16", with 21 spaces, 2 1/2" apart. Shipping weight each, 3 lbs.; per doz., 30 lbs.

No. 47-617—Wire Guards. F. O. B. Quincy, Ill. Price, each. . . **\$0.85**

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NULL AUTOMATIC POULTRY FOUNT

A practical and economical core valve automatic waterer for chickens and turkeys. Is a fount and float valve all in one. Simply attach to a 1/2" water pipe or fit to large tanks or barrels. Can be installed on any pressure.

All aluminum and brass construction—completely rust proof. Valve can be replaced with ordinary tire valve. Easily regulated, to keep proper water level in bowl. Holds a pint of water and will accommodate 8 to 10 hens drinking at one time, or 100 or more hens to a fount.

No. 47-NU—Automatic Poultry Fountain. Shipping weight, 1 lb. F. O. B. Quincy, Ill. Price, each. . . . **\$2.25**

BROWER *Presents*

JOHNSON

JIFFI-PICK

FLEXIBLE FLOATING STRIPPER BAR POULTRY PICKER

America's Outstanding POULTRY PICKER

Here's the greatest achievement in poultry picking efficiency. There's no picker like it for speed, finish and economical operation. Far better than old style rubber finger units. The amazing new flexible-floating STRIPPER BAR with twin stripper knobs eliminate all the objectionable features of finger type pickers. Here is truly a major advancement in poultry pickers. It's America's outstanding poultry picker.

ALL THESE FEATURES IN A LOW-COST UNIT

- **ALL-METAL CONSTRUCTION.** Built to give many years of trouble-free service. Beautiful white enamel cabinet. Easily cleaned inside and outside.
- **DUAL-PURPOSE SHIELD** that prevents splashing when unit is in operation and serves as a cover for the picking drum when the unit is idle.
- **ENCLOSED MOTOR** and V-belt drive prevents damage from water. Easy access for oiling; adjustable motor mount.
- **OVERSIZE BEARINGS** on the picking drum are not damaged by water. Picking drum is perfectly balanced for smoother picking, longer life and silent operation.
- **SOFT RUBBER . . .** The stripper bar and twin stripper knobs are molded out of flexible soft rubber. No sharp edges ever contact birds.
- **END MOUNTED** stripper bar permits extreme flexibility. No metal-faced drum—only a cradle of flexible rubber.
- **NO BROKEN FINGERS . . .** The stripper bar, replacing old type fingers, eliminates finger breakage and all the grief, trouble and expense connected with old type fingers.

THE JOHNSON JIFFI-PICK is especially designed for small poultry shops, meat markets, broiler raisers, etc., who dress all types of poultry, but only a limited number of turkeys.

SPECIFICATIONS

Height, 37"; width, 22"; motor, ½ h. p., 110-220 volt, single phase, 60-cycle; switch, heater type; drum, 12" diam., 16" long; 12 stripper bars, 6 twin stripper knobs each. Weight, crated for shipment, 245 lbs.

No. 47-176 Jiffi-Pick Poultry Picker.

\$197.50

F. O. B. factory. Price each

THE JOHNSON MASTER PICKER is a larger model than the Jiffi-Pick for all-purpose poultry picking. Picker has the same features as the Jiffi-Pick with the exception of heavier construction for handling a volume of any class of poultry—broilers, fowls, roosters, turkeys, etc. Also has convenient rubber table top on which to lay the birds.

SPECIFICATIONS

Height, 37"; width, 46"; motor, ¾ h. p., 110-220 volt, single phase, 60-cycle; switch, heater type; drum, 12" diam., 20" long; 12 stripper bars with 8 twin stripper knobs each. Width of shelf, 20". Shipping weight, 325 lbs.

No. 47-179 Master Poultry Picker. F. O. B. Factory. Price each

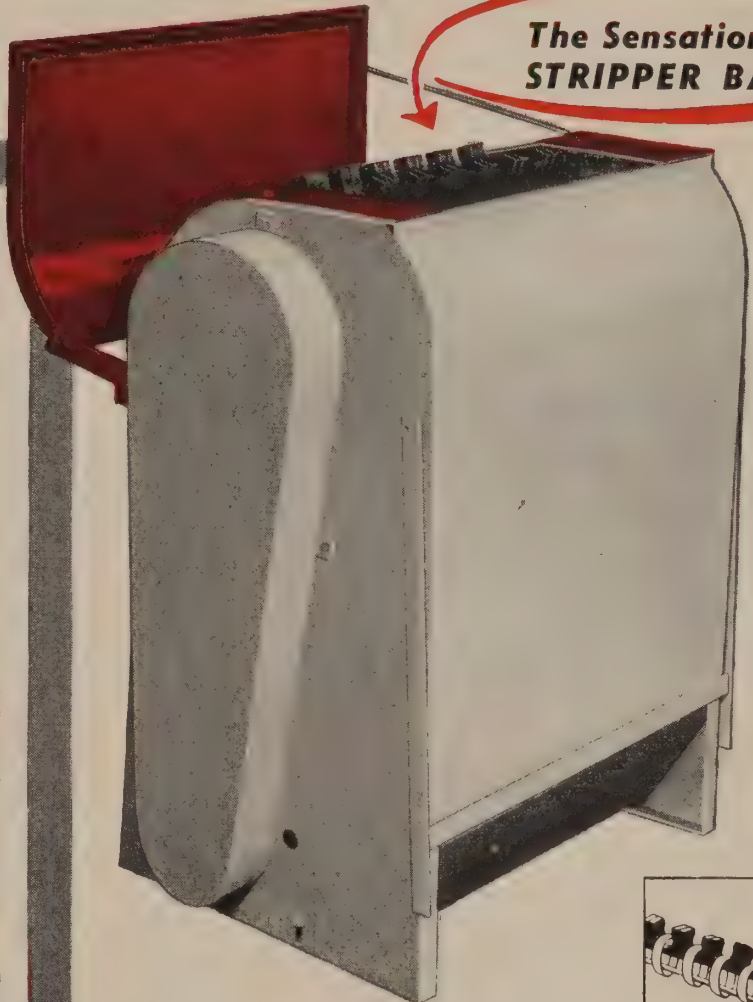
\$285.00

Right:
No. 176
Jiffi-Pick



EASY TO CLEAN

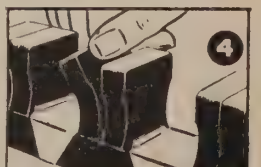
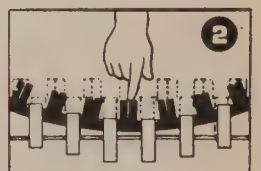
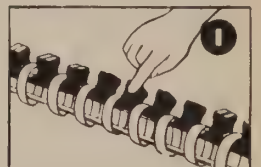
Folding legs are attached to the picker so that it can be tilted and easily cleaned. Smooth interior and exterior surfaces simplifies cleaning.



**The Sensational
STRIPPER BAR**

Only JOHNSON PICKERS Have The Flexible STRIPPER BAR

The heart of a poultry picker is the picking drum, and here is where Johnson engineers have made revolutionary changes. Only Johnson pickers are equipped with the patented flexible-floating STRIPPER-BAR. This new picking device offers all the advantages of the old type solid and hollow rubber fingers without the disadvantages, regardless of which type of scald is used. Picks by the "compulsion method" with a more gentle picking action. The twin stripper knobs strike the base of the feathers, lifting out the feathers, then instantaneously drop out of the way to prevent barking or burning the flesh. Offers all the flexibility as shown on the right, enabling the operator to get all the feathers from around the legs and other hard-to-get-at places. It picks clean, practically eliminating all hand work. When you install the Johnson Jiffi-Pick, picking costs will come down—sharply.



[37]

PICK FASTER - PICK CLEANER - WITHOUT BARKING

BROWER'S WAFER THERMOSTATS

A COMPLETE WAFER SELECTION

To fit most any make, style or type of Chick Brooder (Oil-Coal-Wood-Gas Burning-Electric Floor type and all Battery Chick Brooders). Note listing below.

For convenience of dealers all styles of Brower 3-inch Wafers are packed one in carton, listing the make of brooder it is suitable for. Individual packages are packed one dozen in handy Display Carton. This display is Free with every dozen of 3-inch wafers.

We recommend dealers to order a stock of Brower's No. 47-31W Universal Type 3-inch double disc wafers as it fits over sixty most popular style brooders.

Brower's Universal Type Wafer

No. 47-31W
Universal
3-Inch Double Disc

Fits over sixty of the
most popular styles.



This Wafer is readily adapted for use on nearly all coal brooders, and many oil brooders and incubators. The threaded Universal stud, shown above, screws onto the male Screw Post 2 on top and thus converts it into either the Plain Post 5 or Female Post 7. Here in this one unit you actually get the advantage of seven different wafers, for the Universal is made to serve the purpose of the following wafers: Nos. 1W, 2W, 3W, 5W, 7W, 21W and 1WB. This Universal feature is especially advantageous to dealers, for it means that now there is only one style of Wafer to stock, where before seven different styles were required.

No. 47-31W—3-inch, Double Disc Universal Wafer.....	Each	Dozen
	\$0.40	\$4.00
Shipping weight each, 4½ oz.—Dozen, 3 lbs.		

WORKMANSHIP INSURES QUALITY WAFERS

Each Brower Wafer is hand soldered; triple tested to assure accuracy; thoroughly cleaned, and finally given a special dressing to prevent corrosion.

Brower-built wafers are filled with pure ether and will not "slosh" when shaken. Only wafers filled with unreliable, adulterated liquids "slosh."

Single post wafers are made with an embossed button on bottom side, which is reinforced with solder.

Brower Wafers have this special reinforcement because it is very necessary as constant action will dent a wafer at this point unless it is reinforced.



Important Brower Features

The Wafer discs are deeply corrugated, with the edges double seamed, to give added strength and spring to the wafer. A heavy coating of solder is sweated into the double seamed joints and extended back ¼-inch from edge. A solid post is securely soldered from inside.

One of the most costly defects about an incubator or brooder can be in the Thermostat Wafer. Brower's Wafer Thermostats are accurate and positive in action and give long, dependable service. In the factory, these Wafers have been expanded and contracted many thousand cycles with no apparent injury. Specially treated to retain their bright finish indefinitely.

COAL BROODER WAFERS

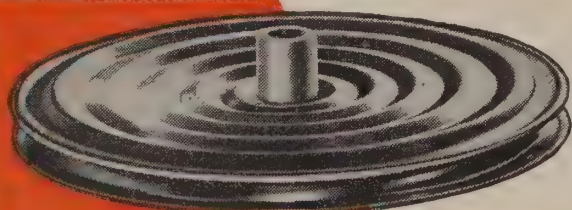
	Price Each	Price Dozen
No. 47-1W—3-in. Double for Brower, Belle City, Buckeye, Big Chief, Dandy, Hudson, Imperial, Klondike, Makomb, J. W. Miller, Moe, Montgomery Ward, National, Reliable, Red-Hed, Royal, Anderson, Oakes, Sears Roebuck, Torpedo, Up-to-Date. Posts 5 and 6.....	\$0.35	\$3.65
No. 47-3W—3-in. Double for Jamesway new-style Brooder. Posts 2 and 6.....	.35	3.65
No. 47-10W—3-in. Double for old-style Jamesway Drew and Cole. Posts 2 and 7.....	.40	4.00
No. 47-15W—4-in. Double for Ohio old-style Brooder. Posts 2 and 6. Wt. ea. 7 oz.—Doz. 5 lbs.....	.50	5.30

OIL BROODER WAFERS

No. 47-3W—3-in. Double for Brower Super-Blast Drum Major, Monitor, Crown, Sol-Hot, Twin-Float, Montgomery Ward, Reliable, Makomb, Up-to-Date, Silent Sioux new style, Rite Heat, Brower Twin-Blast, Hudson, Queen, Makomb, J. W. Miller, Sears Roebuck. Posts 2 and 6.....	.35	3.65
No. 47-6W—3-in. Double for Simplex, Behler, Sunshine, Lincoln, Phelan, Siebring. Posts 7 and 10.....	.40	4.00
No. 47-1WB—3-in. Double for Silent Sioux old style. Posts 6 and 7.....	.35	3.65
No. 47-2W—3-in. Double for Moe Brooder. Posts 2 and 9.....	.40	4.00

INCUBATOR WAFERS

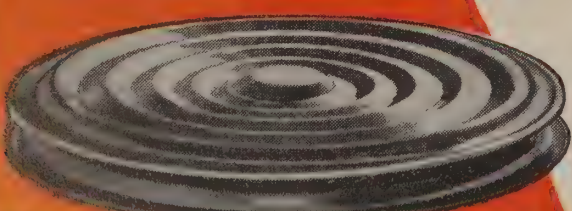
No. 47-2W—3-in. Double for Brower DeLuxe, Belle City, Buckeye, Safety Hatch, J. W. Miller, Ideal, Moe, Sears Roebuck, Makomb, Automatic, Klondike. Posts 2 and 9.....	.40	4.00
No. 47-5W—3-in. Double for Reliable, Sure Hatch, Mankato, Simplicity. Posts 5 and 9.....	.40	4.00
No. 47-12W—3-in. Double for Hibbard, Favorite, Montgomery Ward. Posts 2 (with 3/8 thread) and 9.....	.40	4.00
No. 47-9W—3-in. Single for Oakes, Sears Roebuck, Brown Hen, Ironclad, Wisconsin, Sears Big Gray Hen. Posts 5 and 9.....	.30	3.30
No. 47-WM—4-in. Double Brower, Woodmaster Wafer.....	.60	6.60
No. 47-15W—4-in. Double for 1939 Jamesway Incubator. Posts 2 and 6.....	.50	5.30
No. 47-18W—4-in. Double for Blue Hen, New Town, Candee, Perfection. Posts 2 and 9.....	.50	5.30



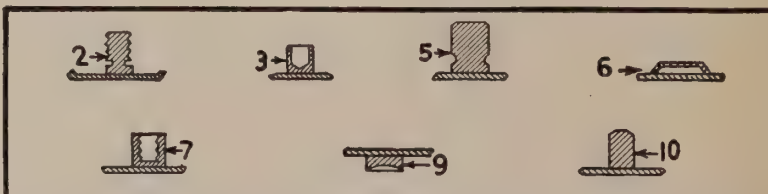
No. 47-1WB
Used on
Brower Floor
and Battery
Brooders



No. 47-31W
Universal
Wafer—Used
on Most
Coal and Oil
Brooders



No. 47-3W
Used on Most
Oil Brooders



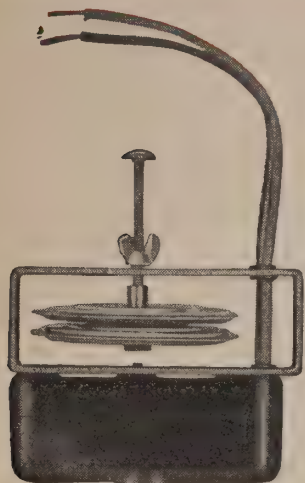
For the convenience of our customers we illustrate, above, seven of the most commonly used wafer posts. When ordering, give the catalog number of wafer and the size, specify the make of Incubator or Brooder and designate style of posts by number.

ELECTRIC BROODER WAFERS

No. 47-1WB—3-in. Double for all Brower Electric Floor Type and Battery Brooders. Posts 6 and 7.....	Each	Dozen
	\$0.35	\$3.65
All Prices F. O. B. Quincy, Ill.		

BROWER'S BROODER SUPPLIES and SPECIALTIES

Snap-Type Electric Thermostat Switch



Plug-in
Cap
Not
Furnished

Accurate snap-type Thermostat Switch for Electric Brooders and Incubators. Positive in action. Turns electricity on and off on correct degree. Will not cause radio interference common with many cheap controls. All mechanism enclosed in a dust-proof BAKELITE box which eliminates possibility of short circuits. Carefully built throughout of best materials. Same switch as used in all types of Brower Brooders. Ready to install. No extra installation expense as in many other switches. If used on a heavy lamp load, use Carbon Filament Bulbs. For use on 110 volt A.C. only.

No. 47-C-38S—Switch as described above with one 3" Double Wafer. Weight 1 lb. Price each.....**\$2.55**

Postpaid in U. S. A.

Sun Hinge Burners



No. 9233

Successful burners for lamps, incubators, brooders and fountains. Single wick style. Size 3 also furnished in double wick type.

Nos.	Size	Size Threads	Size Wick	Price Each
47-922	2	1 $\frac{3}{8}$	$\frac{7}{8}$	\$0.60
47-923	3	1 $\frac{3}{4}$	1 $\frac{1}{2}$	.80
47-9233*	3	1 $\frac{3}{4}$	1 $\frac{1}{2}$	1.05

* Double Wick.

Postpaid.

Chimneyless Burners

Require no chimney. For incubators, brooders, or fountains. Single wick style only.



Nos.	Size	Size Threads	Size Wick	Price Each
47-951	1	$\frac{7}{8}$	$\frac{5}{8}$	\$0.70
47-952	2	1 $\frac{1}{8}$	$\frac{7}{8}$	.85

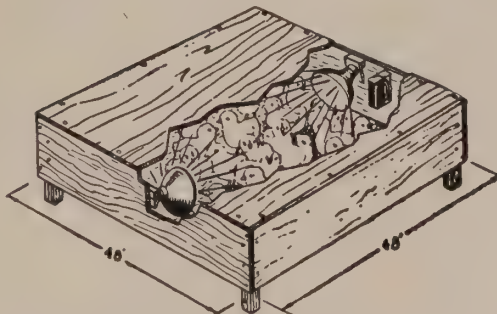
All Burners Postpaid U. S. A.

NEW INFRA-RED RAY BROODER BULB

One of the best brooder bulbs on the market. Recommended for use in Home-Made Brooders by the Ohio State Experiment Station, and the Agricultural Engineering Departments of New York, New Jersey and Pennsylvania State Colleges. Ohio Station in their bulletin No. 209 reports of tests made with Infra-Red Ray Light. We quote, "In a total of 2,000 chicks in 15 different groups, there has been no feather picking or cannibalism."

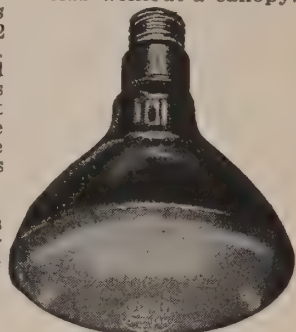
Infra-Red Rays are beneficial to chicks, poults and pigs in combating germs. One of the best and most economical heating bulbs to use in brooding 100 chicks or less without a canopy.

All that is required is to place bulb about 12 inches above chicks. The polished silvered inside of bulb reflects the Infra-Red Heat Rays down to the chicks. Doctors use Infra-Red Ray Lamps for heat treatments.



Showing how Infra-Red Ray Bulbs and Thermostat Switch are Used in Home-Made Brooder.

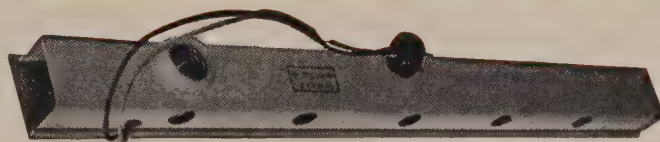
Free Brooder Plans and instructions how to make and operate brooder up to 250-chick capacity. Bulbs furnished 1 size only—250 Watt—120 Volts—A. C.



Produces Healthful
Infra-Red Rays

No. 47-R-40—One Infra-Red Ray Bulb. Capacity 100 chicks (Postpaid in U. S.).....**\$1.35**
Two Infra-Red Ray Bulbs and one C-38S Automatic Control Heating Switch. Capacity 250 to 300 chicks (Postpaid in U. S.)..... **5.25**

Brower's Special Air-Flo Brooder Heating Element



This is a Special Chick Brooding element designed by Brower Engineers in the Brower Laboratory. Solves the much-needed problem of supplying at a very economical operating cost a continuous circulation of pure fresh air at the correct brooding

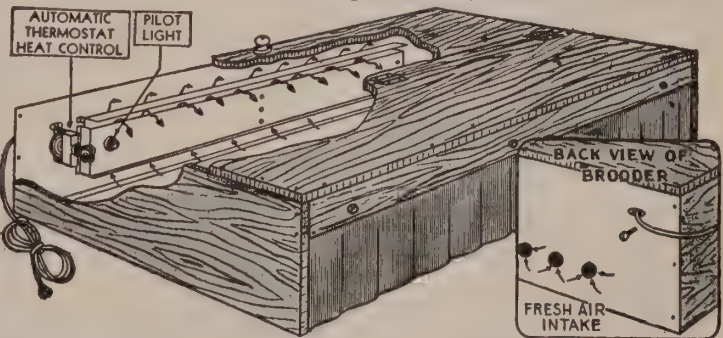
temperature for chicks from 1 day to 5 weeks old, by using a Brower No. 47-C-38S Automatic Control Thermostat Switch, which regulates temperature in brooder to any set degree. See view of Home-Made Box Brooder, how it draws in, preheats and circulates air over chicks. The value of extra chicks and feed saved from chicks dying by being chilled or overheated at brooding time, by not supplying a correct brooding temperature, should soon pay cost of Brower Air-Flo Element and an automatic temperature control regulator.

Many Brower Air-Flo Heating Elements are used to heat plant beds, also to defrost show windows.

Made of rigid galvanized steel, nichrome wire heating coil, 100-watt capacity. Length 21 $\frac{3}{4}$ "x2 $\frac{1}{4}$ "x1 $\frac{1}{2}$ ", wt. 2 lbs. Element is the same as used in Brower Brood-Mor Battery Compartment.

No. 47-5003S — Electric Element as illustrated, 100-Watt, 110-220 volt, A. C., wt. 2 lbs.....**\$2.30**

No. 47-5038S — Electric Element complete with No. 47-C-38S Automatic temperature control switch as shown at left.....**\$4.85**
Postpaid in U. S. A.



How Heater Circulates Brooding Heat

Special Violet Light Bulbs

Assist in Preventing Cannibalism

For 110 Volts



60 Watt

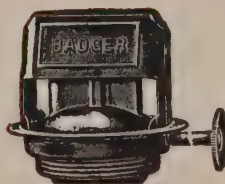
This is a special pure Violet glass bulb, not a common painted bulb; has carbon filament.

Violet light assists in preventing cannibalism, makes a fine pilot light and heating element for Batteries and Floor Brooders. Used and recommended by thousands of poultry raisers. Protect your chicks and avoid serious losses. Order your supply at once.

No. 47-V—Special Violet Light Bulb, 60 Watt, 110 Volt. Each**\$0.75**
6 for **4.50**
Postpaid.

Badger All Brass Chimneyless Burner

Same burner as used in Brower Oil Heated Poultry Fountains. Requires no chimney. Single wick style only.



Nos.	Size	Size Threads	Size Wick	Price Each
No. 47-1975	2	1 $\frac{3}{8}$	$\frac{7}{8}$	\$0.45

Postpaid in U. S. A.

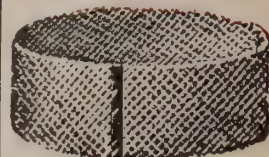
Cone Heater



For use in Battery and Canopy Brooders. Puts out a large amount of heat. 60 watts, 110-volt only.

No. 47-5004—CONE. 60-watt. Each, ..**\$0.65**
Postpaid in U. S. A.

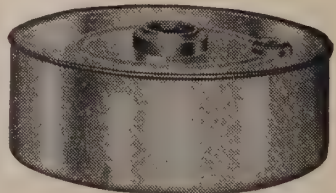
Brooder Wicks



Wire Woven Wick made of asbestos fibre. For use in Blue Flame Brooders. Width 1 $\frac{1}{2}$ ", diam. 3 $\frac{1}{2}$ " or 5". State dia. desired. No. 47-340—WICK. Price each, postpaid, **\$0.25**
3 for **\$0.60**; doz., **\$2.25**

LAMP BOWLS

Galvanized steel—double seamed. For Incubators, Brooders and Fountains. Stamped Bowl 7" in diameter, 2 $\frac{1}{2}$ " deep. Capacity 1 $\frac{1}{2}$ quarts. With size 2 or 3 burner collar. Weight 2 lbs.



Postpaid Each
No. 47-962—Bowl for No. 2 size Burner... **\$0.80**
No. 47-963—Bowl for No. 3 size Burner... **.95**

USE BANDS and KEEP RECORD of ALL CHICKS and FOWLS

Stop Picking Losses With Decker's



**TurkEbits
and
ChickNbits**



Quickly stop losses of turkey and chicken profits, because of feather pulling and fighting. Decker's Never-Pick TurkEbits and ChickNbits easily applied with applicator shown below, stop picking that causes blue black turkeys and losses of valuable turkeys and laying hens.

Never-Pick bits are made of a special alloy rust-resisting light-weight wire. Scientific construction with blunt ends means that the beak is not punctured or crushed. Birds are not irritated, but go right on eating and drinking as usual. There are no irregular parts to catch on wire guards, feeders or founts or on wire fencing. This feature saves lives of many birds. Economical, easy to apply.

Postpaid Prices

	100	500	1000
No. 47-167 ChickNbits — Small Size for Poults or Adult Chickens.....	\$0.60	\$2.90	\$ 5.40
No. 47-168 TurkEbits—Large Size for Adult Turks	.90	4.20	8.00
No. 47-169 TurkEbits—Tom Size for Very Large Turkeys	1.20	5.55	10.60

TurkEbit and ChickNbit Applicator

The handy applicator pictured here is needed to apply Decker TurkEbits. Use of applicator saves the hands. Fast and practical.



No. 47-172 TurkEbit Applicator, Each, Postpaid.....\$1.00

Prevent Pickouts

Use Helmets—Protect Your Profits



CANNIBALISM is responsible for the major losses in many commercial flocks of chickens due to the dreaded vice known as "picking". Eliminate picking by equipping each bird in your flock with patented Helmets. Helmets are made from Duraluminum. Attached to fowl's beak easily with a STAINLESS STEEL PIN. Helmets have no effect on bird's feeding or natural habits. Helmets will help to increase egg production—help to reduce mash waste—and help to discourage fighting and domineering. An investment of only a few pennies per bird gives your flock this important protection.

Postpaid Prices

No. 47-8936—Helmets, \$3.00 per 100, \$13.00 per 500, \$25.00 per 1,000.

Spiral Leg Bands



Made of the best quality heavy round colored celluloid rod, with full one-half lap. Packed in bundles of 50 of one color and size—no bundles broken. Specify breed and sex when ordering. Colors: White, Blue, Yellow, Red, Green.

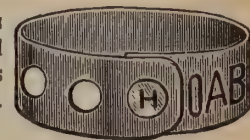
Size	No. 47-398N	100	500	1,000
4—Baby Chicks.....		\$0.30	\$1.35	\$ 2.50
6—Growing Chicks and Medium Pigeons		.40	1.80	3.25
9—Leghorns and Anconas.....		.55	2.50	4.55
11—Rocks, Reds, etc.....		.65	3.05	5.50
12—Orpingtons, etc.....		.75	3.45	6.25
14—Large males, Geese, Turkey Hens		1.00	4.50	8.20

Prepaid in U. S. A.

Brower's Association Adjustable Seal Leg Band



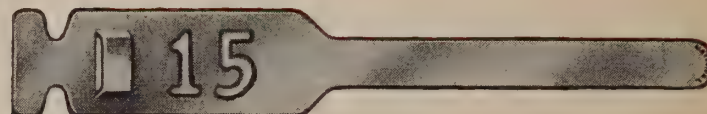
One of the most popular Leg Bands for identifying Certified and Accredited flocks. One size adjustable to all breeds except large male birds and turkeys. Made of painted metal $\frac{3}{8}$ " wide, with smooth edges. Strong lead rivet. Large embossed numbers. Furnished only in unbroken sets, numbered 1 to 100, 101 to 200, etc. No series broken. Prices include numbering. Standard size adjustable for 9 Mediterranean, 11 American, 13 Asiatic.



All Prices Postpaid

	100 Bands	500 Bands	1,000 Bands
No. 47-4102—SEAL LEG BAND.....	\$1.25	\$5.00	\$ 9.00
No. 47-4102L—TURKEY BAND, adjustable for 13 Asiatic, 14 Turkey Hens, 16 Turkey Toms.....	1.35	5.25	9.50
No. 47-107S—Plain Jaw Sealer.....			1.10

Brower's Adjustable Leg Band



A popular, inexpensive Leg Band, for trapnesting, blood-testing and culling. Adjustable for all breeds except large cock birds and turkeys. Made of painted metal, $\frac{1}{2}$ " width. Secure tongue and slot fastener. Large embossed numbers. Numbered as high as desired and sold only in even hundred series, 1 to 100, 101 to 200, etc.—no series broken.

	100 Bands	500 Bands	1,000 Bands
No. 47-15N—Adjustable for size 9 Mediterranean, 11 American and 13 Asiatic Females	\$0.75	\$3.30	\$6.00
No. 47-15P—Adjustable for size 13 Asiatic Males, 14 Turkey Hens, 16 Turkey Toms.....	.80	3.65	6.65

Prepaid in U. S. A.

Hasco Turkey Wing Bands

Fast—Self-Piercing—Self-Sealing. For half-grown and matured birds. Sharp, reinforced point pierces the wing and seals permanently in one quick and easy operation. Bands cannot be removed without breaking the clinched point. Also may be used as ear tags for cattle, sheep, hogs or horses. Prices include consecutive numbering. For stamping name or initials add 75c for each change of stamp.



Style 18
Tinned Steel

Postpaid Prices

	100	500	1000
No. 47-18—Tinned Steel Bands.....	\$2.25	\$7.20	\$13.50
No. 47-18S—Applicator Pliers, each.....			1.50

"Jiffy" Self-Piercing Wing Band

A Great Time Saver

For Day Old Chicks or Grown Birds. Provides life time identification. Instant application. Made of tempered aluminum $\frac{3}{16}$ " wide. Made one size,



OPEN



SEALED

stamped numbers easy to read—in series 1 to 100 and up. No series broken. Minimum order 100 Bands.

No. 47-8939—JIFFY BAND, 100—\$1.00; 500—\$4.25; 1,000—\$7.50 All Postpaid in U. S. A.

No. 47-8938—Applicator for Jiffy Bands. Each.....\$0.50

THERMOMETERS and HYGROMETERS

BROODER ROOM AND HOME THERMOMETERS

ACCURATE — DEPENDABLE — ECONOMICAL



No. 46-400A Brooder Thermometer

This handy style Thermometer was especially designed to insert through hole in top of brooder, placing the bulb in the actual brooding temperature. Held in position by metal washer. $4\frac{1}{2}$ " white enameled scale with black figures and graduations. Wood frame. Magnifying lens tube filled with non-fading red liquid. Range 30 to 120 degrees Fahrenheit.

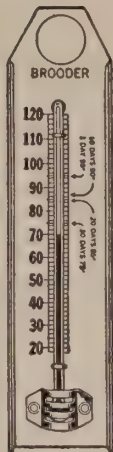
Price

Each

No. 47-400A—8" long..\$0.50

No. 47-400—10" long..\$0.55

Postpaid in U. S. A.



No. 12C

No. 47-12C Brooder Thermometer

Variation of a few degrees in brooding temperature often marks success or failure for the poultry raiser. Use this accurate, dependable Brooder Thermometer. Green enameled frame $7 \times 1\frac{1}{2}$ ". Scale and numerals in black for easy reading. Registers from 20 to 120 degrees Fahrenheit. Non-fading red spirit, magnifying lens tube.

One in carton. Price..\$0.35

Postpaid in U. S. A.



No. 48

Scalding Thermometer

An accurate thermometer for testing the temperature of water for dressing all kinds of fowl. Should pay its cost many times over in higher prices received for better appearing dressed poultry. Check water temperature quickly with Brower's Scalding Thermometer. Also used in cheese and candy making.

No. 47-48—

Scalding Thermometer.

Postpaid ..\$0.60

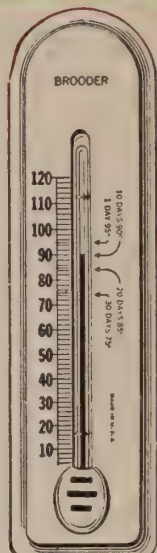
No. 47-581C Brooder Thermometer

Nonrust white enameled frame 8×2 ". Black figures. Nonfading red liquid, bulb protected. A large, sturdy, easy to use and easy to read Brooder Thermometer. Keep several on hand as replacements. Shows correct brooding temperature for chicks of any age. Registers 10 degrees to 120 degrees F.

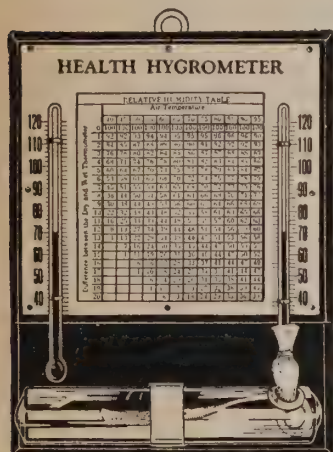
One in carton.

Price ..\$0.40

Postpaid in U. S. A.



No. 581C



Health Hygrometer

Correct Humidity Means Bigger Hatches — More Profits

Proper humidity is of utmost importance in successful incubation. Hygrometer is recommended to determine humidity in Incubators, Brooder and Poultry Houses, Homes, Schools, Stores, Public Buildings, etc. It is not a regulator of moisture, but shows exactly what the conditions are. Scale range 40 to 120 degrees F. Satisfaction guaranteed.

No. 47-466C—Health Hygrometer.

Wt. 2 lbs. Each.....\$1.65

Postpaid in U. S. A.

Combination Hygrometer and Thermometer

A Taylor Instrument

Vitally essential to hatcheries and poultrymen. Especially recommended for use in battery brooder rooms, and in Smith, Buckeye, Petersime and other Mammoth Incubators. An ingenious device for determining relative and absolute humidity. Approximate scale range 30 to 120 degrees. Scales are black oxidized finish with white figures and graduations, mounted on mahogany panel, with insulating supports and syphon reservoir. Each in a box, complete with spare wicks. Chart and directions for reading.

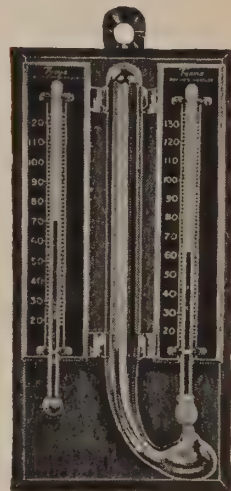
No. 47-5532—Hygrometer. Size $8\frac{1}{2}$ "x $4\frac{1}{2}$ ".

Wt. 1 lb. Price each.....\$6.00

No. 47-55321—Extra Wicks for above Hygrometer. Per dozen.....\$1.50

No. 47-55322—Extra Reservoir for above Hygrometer. Each.....\$0.75

Postpaid in U. S. A.



**BROWER'S
Rite-Way
POULTRY
KILLER**

No. 639

**Quick, Easy, Sure,
Safe Killing Tool for
Broilers, Fryers, Hens
and Roosters, Turkeys, Ducks or Geese**

Handles and jaws of new type tempered aluminum for long life. Rite-Way blades made of stainless steel for long life and corrosion resistance. Blades are removable for easy sharpening, and can be quickly replaced. Blade painlessly pierces brain and cuts main artery to assure perfect bleeding. Nerves relax, loosening the feathers of the fowl for easy picking. Light in weight and easy on the hands—no danger to operator.

No. 47-639—Rite-Way Poultry Killer. Weight, $4\frac{1}{2}$ oz.

Price each\$2.25

Postpaid in U. S. A.

Dial-Type Thermometer

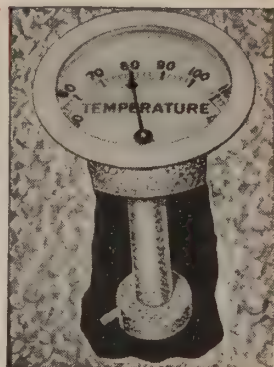
New! Different! Easy to read! Far superior to old type glass-bulb thermometers, this new Brower dial-type thermometer is same as used in all Brower Electric Floor Brooders. Can be used in all types of brooders—electric, coal, wood or oil.

Many other advantages: Large, easy-to-read figures. $2\frac{1}{4}$ " diameter dial protected by transparent, unbreakable face, no glass to break. Operates in any position. Attraction light inside brooder illuminates dial. Bi-metal recording part of thermometer extends 3" behind dial in brass tube—chicks can't pick it and harm it—records heat in interior of brooder.

Very sturdy metal construction—will give years of service.

No. 47-86—Dial-type Brooder Thermometer.

Each, postpaid85c



WOODEN NEST EGGS

Enameled white; highly polished. Unbreakable in ordinary usage. Long lasting. Easy to keep clean. Packed one dozen in a carton.

No. 47-341—WOODEN NEST EGGS.

Per dozen, postpaid.....\$0.50



WONDER EGG CLEANER



Clean eggs sell at higher prices. This Egg Cleaner does the job easily and thoroughly. Cushion made of newly developed water resistant "resiliflex", which is soft enough to conform to shape of egg but won't pack down. Especially grained garnet finishing cloth can be

quickly replaced—securely held with rust-proof quick-action clips.

No. 47-JN250—Egg Cleaner, postpaid.....\$0.40

No. 47-JN251—Six Garnet Cloth Fillers in Envelope, postpaid.....\$0.40

BROWER'S WIRE EGG-COOLING BASKET

BROWER'S

HEAVY-DUTY PLATFORM SCALE



**Helps Keep Eggs
Fresher Longer
Capacity 15 dozen**

The value of the eggs it will save from breaking will soon pay its cost. Special construction allows free circulation of air around all eggs on side and up through the bottom, thus keeping them in a fresher condition longer (quick cooling of eggs is very essential) enabling poultrymen to secure extra prices for eggs. Made rigid of heavy galvanized wire with all joints smoothly welded, and eggs will not be marked or discolored when placed in basket. Especially designed and shaped to prevent breakage of eggs. Special Legs on bottom allow for free circulation of air up and around all eggs. Also a fine basket to use for picking apples, peaches; carrying corn or potatoes; delivering packages, and many other uses around every home. Be sure to give this basket a trial as it will save time and labor which costs many dollars.

No. 47-2344—Wire Egg Gathering and Cooling Basket.

Wt. 3 lbs. Price each.....**\$1.00**
F. O. B. Quincy.

Poultry Killing and Pinning Knives

The most popular pattern of poultry killing knives. Scientifically built. Recommended by Agricultural Schools to poultry raisers and produce houses.



No. 47-323

No. 47-323—POULTRY KILLING KNIFE. Over-all length, 7½". Blade, 3" long.

Price each.....**\$0.50**

No. 47-113R—PINNING KNIFE. Blade 2½" long.

Price each.....**\$0.40**

No. 47-2694 — TURKEY STICKER. For turkey killing, with a 4" blade.

Price each.....**\$0.70**

All Knives Postpaid in U. S. A.

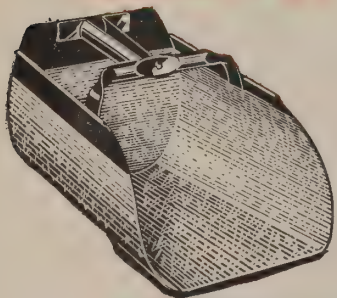


No. 47-113R



No. 47-2694

Brower's New Battery Feed Scoop



This flat-bottom scoop makes it easy to slide along battery trough, giving an even flow of feed without waste. Every feed dealer and poultry raiser can save time and feed with this scoop. Made of heavy galvanized steel. End welded. Handle all steel.

No. 47-2502—Capacity, 4 qts.

Wt. 1½ lbs. Each.....**\$1.00**

Postpaid in U. S. A.

Oil Container



Fits most Oil Brooders. Valve made of steel with brass coil spring. Weight 5 lbs.

No. 47-337—Glass Oil Bottle with valve.

Price...**\$1.60**

No. 47-334—Glass Oil Bottle less valve.

Price...**\$1.35**

No. 47-335—Valve only...**\$0.30**

F. O. B. Quincy, Ill.

Metal Card Holder



For marking incubator trays, seed bins, etc.

No. 47-271—Size 2½x1¼".

Wt. 5 ozs. Per dozen...**\$0.50**

No. 47-272—Size 4½x1½".

Wt. 7 oz. Per dozen...**.75**

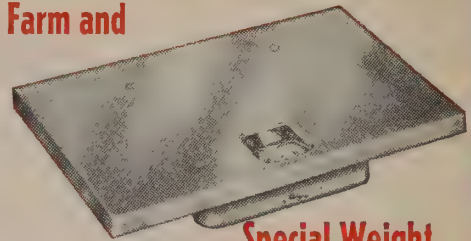
Postpaid in U. S. A.

FELT LAMP WICKS

No. 47-2080—For size 1 Burner. Per doz.....**\$0.35**
No. 47-2090—For size 2 Burner. Per doz.....**.55**
No. 47-2100—For size 3 Burner. Per doz.....**.65**
Postpaid in U. S. A.

Very Practical For Farm and Commercial Use

**Weights Up to
250 Lbs.**



**Special Weight
Recording Feature**

Here's a very reliable, portable, convenient scale, with accuracy guaranteed to within ¼ of 1 per cent. Weighs up to 250 pounds.

The low, overlapping 10"x16" platform of this scale makes it very useful on the farm, or in the shipping stock room because large sacks, bundles and boxes can be weighed on it. If the dial is obstructed when weighing a large container, a "Dial Lock" weight recording feature makes it possible to read the weight after the object is removed from the scale. Also very handy when weighing in dark places where the dial cannot be easily seen. Simply flip the lever when weighing, then remove the item and take the scale to the nearest light for reading.

OTHER FEATURES—Low platform saves high lifting. Scale can be carried to heavy packages, instead of moving the packages. Large figured dial—easy to read. Weight attachment screw for tare or net weight. All internal parts rust-proofed. Fully guaranteed.

A great many uses for the poultry, dairy, livestock, grain or truck raiser, for weighing feed, seed, eggs, fertilizers, milk, cheese, fruit and vegetable produce. Also for weighing lime, cement, sand, etc., in construction and repair work. Truly the scale of 1,000 uses! Practically indestructible in ordinary use.

No. 47-3300—Platform Scale. Wt. 10 lbs. Price each..**\$10.00**
F. O. B. Quincy, Ill.



Thousands of Uses!

CHICKEN WEIGHER AND BLEEDING CONE

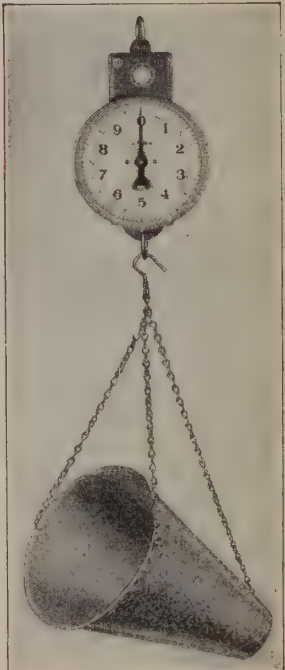
**Weights Accurately
Capacity 20 lbs.**

A scale that every farmer needs for weighing live or dressed poultry. The cone can be detached and used for killing and bleeding of chickens. When cone is detached, scale can be used for other weighing purposes up to 20 lbs.

How it works. Place live chicken head first in cone for killing and bleeding or weighing. Allow head to extend out of small open end. Scale made of cold rolled steel with 8-inch enameled dial. Warranted accurate. Inspected to accurate tolerance. Thousands used by poultrymen and farmers for weighing broilers and pullets. Also for breeding and marketing purposes and general farm use. Weighs fruit, vegetables, butter, etc.

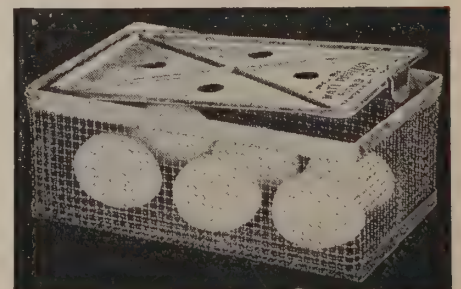
No. 47-331A—SCALE WITH FUNNEL. Weight 6 lbs. Each.....**\$5.80**

Postpaid in U. S. A.



PEDIGREE EGG BASKET

Assures absolute protection against mixing eggs or chicks. Fits any standard incubator tray. Made of heavy galvanized hardware cloth, allows complete circulation of heated air. Hinged galvanized lid. Easy to remove chicks and clean. 8¾x5¾x3½ inches high. Weight, per dozen, 12 lbs.



No. 47-805—Hatching Egg Basket. Each.....**85c**
F. O. B. Quincy, Ill.

CONFIDENTIAL

Wholesale Price List

Notice!

These New Wholesale and Retail Prices effective Jan. 1, 1947, apply to Brower Catalog No. 59. This price list supersedes all previous quotations.

BROWER MFG. CO.
Quincy, Illinois

TERMS OF SALE: 2% 10 days, Net 30 days to Dealers who have a satisfactory commercial rating in Dun & Bradstreet directory, or who have established credit with us.

2% Discount for full Cash with Order, C.O.D., or Sight Draft B/L Shipments.

The cash discount applies to the net amount of invoice after deduction of freight allowance, if any.

Dealers who do not have an established credit with us or a commercial rating in Dun & Bradstreet, and desire immediate shipment should remit full cash with order, taking advantage of our 2% Cash Discount. Include with orders for shipments to go Sight Draft a 10% down payment to guarantee freight charges. All collection fees are to be paid by customer. If you desire to open an account with us, please give us Bank reference and the names of three firms with whom you have an account now.

FREIGHT ALLOWANCE—Shipments L. C. L. of items designated (FRT. ALL.) weighing 100 lbs. or more actual freight will be allowed up to \$1.00 per cwt. IF INVOICE IS PAID WHEN DUE. If invoice is not paid when due the freight allowance is forfeited. No allowance on shipments weighing less than 100 lbs. No allowance on express or parcel post shipments.

HOW TO SAVE ON FREIGHT CHARGES—All railroads and trucks make the same charge on freight shipments of less than 100 lbs. as they do for a full 100 lb. shipment. It is therefore economical to check shipping weights carefully and build your order up to 100 lbs. or more. Anything over 100 lbs. the correct rate per 100 lbs. applies. Also by ordering 100 lbs. or over you qualify for freight allowance on items so designated.

FREIGHT CLAIMS—If shipment is received in damaged condition from the Transportation Company be sure to get a notation from the agent or truck driver on the Paid Freight Bill concerning the damage—and you file claim for damage. Concealed damage might occur, so suggest opening sealed cartons for inspection. Claims must be filed within two weeks after shipment is received.

EXCHANGE OR RETURNS—No returned merchandise will be accepted for exchange or credit unless written permission has been secured from the home office, specifically authorizing its return. Any merchandise returned for credit where company is not in error, is subject to a handling charge of 10%, plus transportation charges.

SAVE MONEY BY ORDERING IN STANDARD PACKAGES—An extra charge of 5% will be made on all items where standard packages are broken and extra packing is necessary. Minimum charge for breaking packages in one shipment is 15c.

EXPORT TERMS—Cheque with order (U. S. Funds) or deposit of amount of order with agent or banker in New York or San Francisco, against shipping documents. **Boxing Charge**—Include 15% for boxing. If charges are less, refund will be made, if more, we will bill for balance due.

GUARANTEED DELIVERY OF PARCEL POST SHIPMENTS—An additional charge is made for Guaranteed Delivery of Parcel Post shipments, according to the following rates:

Valuation	Amount
\$0.01 to \$ 5.00.....	\$.03 + postage
5.01 to 25.00.....	.10 + postage
25.01 to 50.00.....	.15 + postage
50.01 to 200.00.....	.25 + postage

All orders for cash in advance should have the proper amount included in the remittance for guaranteed delivery and postage.

NOTE—All Dealer quotations are subject to increase without notice. Also, all orders are accepted subject to our price in effect at time of shipment.

Suggested Minimum Selling Price is shown in Catalog

SPECIAL NOTE

When ordering by telegram please specify how to ship—Freight or Express
On open account terms, cash discount is Two Per Cent in 10 Days
No allowance after due date

BROWER MFG. CO., QUINCY, ILL.

"World's Largest Line of Poultry Supplies"

Cat. Page	Cat. No.	Suggested Minimum Selling Price	How Packed	Dealers Net Price
BROILER PLANTS				
12	Vita-Maid— No. 1	Ea. 5.95	Net, no disc.	F.O.B.
	No. 2	Ea. 11.95	Net, no disc.	F.O.B.
	No. 3	Ea. 24.95	Net, no disc.	F.O.B.
15	50-A-Week	Ea. \$180.00	Ea. \$144.00	F.O.B.
	100-A-Week	Ea. 286.00	Ea. 228.80	F.O.B.
	150-A-Week	Ea. 437.50	Ea. 350.00	F.O.B.
	200-A-Week	Ea. 572.00	Ea. 457.60	F.O.B.
	300-A-Week	Ea. 875.00	Ea. 700.00	F.O.B.
	500-A-Week	Ea. 1430.00	Ea. 1144.00	F.O.B.
17	100-A-Week	Ea. 286.00	Ea. 228.80	F.O.B.
	150-A-Week	Ea. 437.50	Ea. 350.00	F.O.B.
18	47-7615	Ea. 74.00	Ea. 59.20	F.O.B.
	Wire Floor	Ea. 2.80	Ea. 2.24	F.O.B.
	Drop Pan	Ea. 1.55	Ea. 1.24	F.O.B.
	Feed Pan	Ea. .85	Ea. .68	F.O.B.
	Water Pan	Ea. .90	Ea. .72	F.O.B.
	1WB	Ea. .35	Ea. .23	F.O.B.
	A-Heater	Ea. 2.20	Ea. 1.47	F.O.B.
	A1-Heater	Ea. 2.30	Ea. 1.53	F.O.B.
	C-38S Switch	Ea. 2.55	Ea. 1.70	F.O.B.
	7L-Bulb	Ea. .25	Ea. .20	F.O.B.
19	47-4216	Ea. 106.00	Ea. 84.80	F.O.B.
	¾" Wire Floor	Ea. 2.30	Ea. 1.84	F.O.B.
	1" Wire Floor	Ea. 2.10	Ea. 1.68	F.O.B.
	Feed Pan	Ea. .65	Ea. .52	F.O.B.
	Water Pan	Ea. .85	Ea. .68	F.O.B.
	Drop Pan	Ea. 1.35	Ea. 1.08	F.O.B.
20	47-9007	Ea. 119.50	Ea. 95.60	F.O.B.
	Wire Floor	Ea. 2.50	Ea. 2.00	F.O.B.
	Drop Pan	Ea. 1.45	Ea. 1.16	F.O.B.
	Feed Pan	Ea. .95	Ea. .76	F.O.B.
	Water Pan	Ea. 1.00	Ea. .80	F.O.B.
	Caster	Ea. .55	Ea. .44	F.O.B.
	Heater	Ea. 2.50	Ea. 2.00	F.O.B.
	Bulb	Ea. .25	Ea. .20	F.O.B.
	1WB Wafer	Ea. .35	Ea. .23	F.O.B.
	C-38S Switch	Ea. 2.55	Ea. 1.70	F.O.B.

NESTS AND FEEDERS

21	47-7L10	Ea. 9.80	Ea. 7.35	Frt. All.
	47-7T0	(5) 1.60	(5) 1.20	Frt. All.
	47-7L10T	Ea. 12.90	Ea. 9.68	Frt. All.
	47-7T1	Ea. .55	Doz. 4.95	Frt. All.
	47-365	Ea. 3.45	(2) 4.60	Frt. All.
	47-368	Ea. 4.95	(2) 6.60	Frt. All.
22	47-295	Ea. 6.00	(2) 8.00	Frt. All.
	47-298	Ea. 7.80	(2) 10.40	Frt. All.
23	47-48B	Ea. 1.20	Doz. 9.60	Frt. All.
	47-36B	Ea. 1.05	Doz. 8.40	Frt. All.
	47-160W	Ea. 1.80	Doz. 14.40	Frt. All.
	47-626F	Ea. .65	(24) 10.40	Frt. All.
	47-522	Ea. .35	(24) 5.60	Frt. All.
	47-422	Ea. .40	(24) 6.40	Frt. All.

HOG AND TURKEY FEEDERS

24	47-4B	Ea. 48.55	Ea. 36.41	F.O.B.
	47-6B	Ea. 59.40	Ea. 44.55	F.O.B.
	47-8B	Ea. 70.35	Ea. 52.76	F.O.B.
	47-B	Ea. 3.15	Ea. 2.36	F.O.B.
	47-90B	Ea. 69.95	Ea. 52.45	F.O.B.

EGG GRADERS

25	47-2131	Ea. 17.95	Ea. 13.46	F.O.B.
	47-JW517	Ea. 1.60	Doz. 12.80	Frt. All.
	47-JW717	Ea. 1.65	(6) 7.43	Frt. All.
	47-101	Ea. .40	(25) 5.00	F.O.B.
	47-JW617	Ea. 6.55	Ea. 4.37	Frt. All.

Cat. Page	Cat. No.	Suggested Minimum Selling Price	How Packed	Dealers Net Price
FOUNTAINS, ETC.				
26	47-5E	Ea. 7.65	Ea. 5.10	Frt. All.
	47-8E	Ea. 8.25	Ea. 5.50	Frt. All.
	47-059L	Ea. 5.70	Ea. 3.80	Frt. All.
	47-089L	Ea. 6.60	Ea. 4.40	Frt. All.
27	47-059	Ea. 3.25	Ea. 2.17	Frt. All.
	47-2D3	Ea. 2.10	Doz. 16.80	Frt. All.
	47-6P	(6) .75	(36) 2.60	F.O.B.
	47-6P	(12) 1.30	(144) 9.60	F.O.B.
	47-401	Ea. .65	Doz. 5.20	F.O.B.
	47-405	Ea. 2.05	(4) 5.47	F.O.B.
	47-55	Ea. 1.75	(4) 4.67	F.O.B.
	47-0	(6) .55		
	47-0	Doz. 1.05	(36) 2.10	Frt. All.
	47-0	Gross 11.30	Gross 7.54	Frt. All.
	47-2T	Ea. 4.00	Ea. 3.08	F.O.B.
			Price includ Excise Tax	es 10%
	47-132B	Ea. 1.80	Ea. 1.20	F.O.B.

INCUBATORS

Hand Turning Device

29	47-50	Ea. 83.00	Ea. 74.70	F.O.B.
	47-55	Ea. 94.00	Ea. 84.60	F.O.B.
	47-100	Ea. 140.00	Ea. 126.00	F.O.B.
	47-150	Ea. 170.00	Ea. 153.00	F.O.B.
	47-200	Ea. 200.00	Ea. 180.00	F.O.B.
	47-300A	Ea. 303.00	Ea. 272.70	F.O.B.
	47-300	Ea. 666.00	Ea. 599.40	F.O.B.
	47-450	Ea. 842.00	Ea. 757.80	F.O.B.
	47-500	Ea. 963.00	Ea. 866.70	F.O.B.
	Hatchette	Ea. 164.00	Ea. 147.60	F.O.B.

Automatic Turning Device

29	47-50	Ea. 167.00	Ea. 150.30	F.O.B.
	47-55	Ea. 178.00	Ea. 160.20	F.O.B.
	47-100	Ea. 224.00	Ea. 201.60	F.O.B.
	47-150	Ea. 254.00	Ea. 228.60	F.O.B.
	47-200	Ea. 284.00	Ea. 255.60	F.O.B.
	47-300A	Ea. 387.00	Ea. 348.30	F.O.B.
	47-300	Ea. 842.00	Ea. 757.80	F.O.B.
	47-450	Ea. 1023.00	Ea. 920.70	F.O.B.
	47-500	Ea. 1144.00	Ea. 1029.60	F.O.B.
	Hatchette	Ea. 248.00	Ea. 223.20	F.O.B.

OIL BROODERS, ETC.

31	47-2155	Ea. 24.00	Ea. 16.60	Frt. All.
	47-2465	Ea. 28.95	Ea. 19.96	Frt. All.
	Oil Valve	Ea. 3.50	Ea. 2.63	Frt. All.
32	47-4B56	Ea. 27.25	Ea. 20.44	F.O.B.
	47-155E	Ea. 2.45	(2) 3.27	Frt. All.
	47-705	Ea. .60	(6) 2.40	Frt. All.
	47-145	Ea. .70	(6) 2.80	Frt. All.
	47-67	Ea. .47		
	47-67	Doz. 4.88	Doz. 3.90	Frt. All.
	47-67	(25) 9.61	(25) 7.69	Frt. All.

ELECTRIC BROODERS, ETC.

33	47-46B	Ea. 20.80	Ea. 13.87	Frt. All.
	47-60B	Ea. 26.40	Ea. 17.60	Frt. All.
35	47-1046	Ea. 33.55	Ea. 22.86	Frt. All.
	47-1060	Ea. 40.45	Ea. 27.75	Frt. All.
	47-5046	Ea. 43.85	Ea. 29.93	Frt. All.
	47-5060	Ea. 50.75	Ea. 34.82	Frt. All.
36	793	Ea. 10.30	Ea. 6.87	Frt. All.
	WL-793	Ea. 4.00	Ea. 2.67	Frt. All.
	47-455	Ea. 1.15	Doz. 8.00	Frt. All.
	47-617	Ea. .85	Doz. 6.80	F.O.B.
	47-NU	Ea. 2.25	Doz. 18.00	F.O.B.
37	47-176	Ea. 197.50	Net, no disc.	F.O.B.
	47-179	Ea. 285.00	Net, no disc.	F.O.B.

Cat. Page	Cat. No.	Suggested Minimum Selling Price	How Packed	Dealers Net Price
THERMOSTAT WAFERS, ETC.				
38	47-31W	Ea. .40	Doz.	2.64 Frt. All.
	47-1W	Ea. .35	Doz.	2.42 Frt. All.
	47-3W	Ea. .35	Doz.	2.42 Frt. All.
	47-10W	Ea. .40	Doz.	2.64 Frt. All.
	47-15W	Ea. .50	Doz.	3.52 Frt. All.
	47-6W	Ea. .40	Doz.	2.64 Frt. All.
	47-2W	Ea. .40	Doz.	2.64 Frt. All.
	47-5W	Ea. .40	Doz.	2.64 Frt. All.
	47-12W	Ea. .40	Doz.	2.64 Frt. All.
	47-9W	Ea. .30	Doz.	2.20 Frt. All.
	47-WM	Ea. .60	Doz.	4.40 Frt. All.
	47-18W	Ea. .50	Doz.	3.52 Frt. All.
	47-1WB	Ea. .35	Doz.	2.42 Frt. All.
39	47-C38S	Ea. 2.55	Ea.	1.70 F.O.B.
	47-R-40	Ea. 1.35	Ea.	.99 F.O.B.
	Two Infra-Red Bulbs and One C-38S Switch			
	47-5003S	Ea. 2.30	Doz.	18.40 F.O.B.
	47-5038S	Ea. 4.85	Ea.	3.23 F.O.B.
	47-922	Ea. .60	Doz.	5.40 F.O.B.
	47-923	Ea. .80	Doz.	7.20 F.O.B.
	47-9233	Ea. 1.05	Doz.	9.45 F.O.B.
	47-V	Ea. .75		
	47-V (6)	4.50	Doz.	6.00 F.O.B.
	47-5004	Ea. .65	Doz.	5.20 F.O.B.
	47-340	Ea. .25		
	47-340 (3)	.60		
	47-340	Doz. 2.25	Doz.	1.50 F.O.B.
	47-951	Ea. .70	Doz.	5.60 F.O.B.
	47-952	Ea. .85	Doz.	6.80 F.O.B.
	47-1975	Ea. .45	Doz.	3.60 F.O.B.
	47-962	Ea. .80	Doz.	6.40 F.O.B.
	47-963	Ea. .95	Doz.	7.60 F.O.B.

LEG BANDS, ETC.

40	47-167	100	.60	100	.45	F.O.B.
	47-167	500	2.90	500	2.18	F.O.B.
	47-167	1000	5.40	1000	4.05	F.O.B.
	47-168	100	.90	100	.68	F.O.B.
	47-168	500	4.20	500	3.15	F.O.B.
	47-168	1000	8.00	1000	6.00	F.O.B.
	47-169	100	1.20	100	.90	F.O.B.
	47-169	500	5.55	500	4.17	F.O.B.
	47-169	1000	10.60	1000	7.95	F.O.B.
	47-172	Ea.	1.00	Ea.	.75	F.O.B.
	47-8936	100	3.00	100	2.40	F.O.B.
	47-8936	500	13.00	500	10.40	F.O.B.
	47-8936	1000	25.00	1000	20.00	F.O.B.
	47-398 No. 4	100	.30	100	.20	F.O.B.
	47-398 No. 4	500	1.35	500	.90	F.O.B.
	47-398 No. 4	1000	2.50	1000	1.67	F.O.B.
	47-398 No. 6	100	.40	100	.27	F.O.B.
	47-398 No. 6	500	1.80	500	1.20	F.O.B.
	47-398 No. 6	1000	3.25	1000	2.17	F.O.B.
	47-398 No. 9	100	.55	100	.37	F.O.B.
	47-398 No. 9	500	2.50	500	1.67	F.O.B.
	47-398 No. 9	1000	4.55	1000	3.03	F.O.B.
	47-398 No. 11	100	.65	100	.43	F.O.B.
	47-398 No. 11	500	3.05	500	2.03	F.O.B.
	47-398 No. 11	1000	5.50	1000	3.67	F.O.B.
	47-398 No. 12	100	.75	100	.50	F.O.B.
	47-398 No. 12	500	3.45	500	2.30	F.O.B.
	47-398 No. 12	1000	6.25	1000	4.17	F.O.B.
	47-398 No. 14	100	1.00	100	.67	F.O.B.
	47-398 No. 14	500	4.50	500	3.00	F.O.B.
	47-398 No. 14	1000	8.20	1000	5.47	F.O.B.
	47-8939	100	1.00	100	.70	F.O.B.
	47-8939	500	4.25	500	2.80	F.O.B.
	47-8939	1000	7.50	1000	5.00	F.O.B.
	47-8938	Ea.	.50	Ea.	.35	F.O.B.
	47-4102	100	1.25	100	.85	F.O.B.
	47-4102	500	5.00	500	3.30	F.O.B.
	47-4102	1000	9.00	1000	6.00	F.O.B.
	47-4102L	100	1.35	100	.90	F.O.B.
	47-4102L	500	5.25	500	3.55	F.O.B.
	47-4102L	1000	9.50	1000	6.50	F.O.B.
	47-107S	Ea.	1.10	Ea.	.73	F.O.B.
	47-15N	100	.75	100	.50	F.O.B.
	47-15N	500	3.30	500	2.20	F.O.B.
	47-15N	1000	6.00	1000	4.00	F.O.B.
	47-15P	100	.80	100	.53	F.O.B.
	47-15P	500	3.65	500	2.43	F.O.B.
	47-15P	1000	6.65	1000	4.43	F.O.B.
	47-18	100	2.25	100	1.68	F.O.B.
	47-18	500	7.20	500	4.80	F.O.B.
	47-18	1000	13.50	1000	9.00	F.O.B.
	47-18S	Ea.	1.50	Ea.	1.00	F.O.B.

Cat. Page	Cat. No.	Suggested Minimum Selling Price	How Packed	Dealers Net Price
THERMOMETERS, MISC.				
41	47-400A	Ea. .50	Doz.	4.00 Frt. All.
	47-400	Ea. .55	Doz.	4.40 Frt. All.
	47-12C	Ea. .35	Doz.	2.80 Frt. All.
	47-48	Ea. .60	Doz.	4.80 Frt. All.
	47-581C	Ea. .40	Doz.	3.20 Frt. All.
	47-466C	Ea. 1.65	Doz.	14.85 Frt. All.
	47-5532	Ea. 6.00	Ea.	4.50 F.O.B.
	47-55321	Doz. 1.50	Doz.	1.13 F.O.B.
	47-55322	Ea. .75	Ea.	.56 F.O.B.
	47-86	Ea. .85	Doz.	6.80 Frt. All.
	47-341	Doz. .50	Doz.	.38 F.O.B.
	47-639	Ea. 2.25	Doz.	18.00 F.O.B.
	47-JN250	Ea. .40	Doz.	3.20 F.O.B.
	47-JN251	Ea. .40	Doz.	3.20 F.O.B.
42	47-2344	Ea. 1.00	Doz.	8.40 F.O.B.
	47-323	Ea. .50	Doz.	4.50 F.O.B.
	47-113R	Ea. .40	Doz.	3.60 F.O.B.
	47-2694	Ea. .70	Doz.	6.30 F.O.B.
	47-2502	Ea. 1.00	Doz.	9.60 F.O.B.
	47-3300	Ea. 10.00	Ea.	6.67 F.O.B.
	47-331A	Ea. 5.80	Ea.	3.87 F.O.B.
	47-337	Ea. 1.60	Ea.	1.07 F.O.B.
	47-334	Ea. 1.35	Ea.	.90 F.O.B.
	47-335	Ea. .30	Ea.	.20 F.O.B.
	47-271	Doz. .50	Doz.	.33 F.O.B.
	47-272	Doz. .75	Doz.	.50 F.O.B.
	47-2080	Doz. .35	Doz.	.28 F.O.B.
	47-2090	Doz. .55	Doz.	.44 F.O.B.
	47-2100	Doz. .65	Doz.	.52 F.O.B.
	47-805	Ea. .85	Doz.	5.19 Frt. All.

HATCHERY SUPPLIES, ETC.

43	47-5477	100	3.38	Net, no disc.	F.O.B.
	47-5477	500	15.88	Net, no disc.	F.O.B.
	47-5477	1000	29.50	Net, no disc.	F.O.B.
	47-716	Ea.	24.00	Net, no disc.	F.O.B.
	47-717	Ea.	4.95	Net, no disc.	F.O.B.
	47-717S	Ea.	6.30	Net, no disc.	F.O.B.
	47-CHL	Ea.	15.35	Ea.	11.51 F.O.B.
	47-33X	Ea.	.15	Doz.	1.10 F.O.B.
	47-1H	Ea.	12.25	Net, no disc.	F.O.B.
	47-611	Ea.	48.25	Net, no disc.	F.O.B.
	47-61S	1 box	2.22	Net, no disc.	F.O.B.
		Per box			
	47-61S	5 boxes	2.10	Net, no disc.	F.O.B.
	47-61S	10 boxes	1.98	Net, no disc.	F.O.B.
	47-61S	25 boxes	1.86	Net, no disc.	F.O.B.
	47-XX	1 box	1.92	Net, no disc.	F.O.B.
		Per box			
	47-XX	5 boxes	1.80	Net, no disc.	F.O.B.
	47-XX	10 boxes	1.68	Net, no disc.	F.O.B.
	47-XX	25 boxes	1.56	Net, no disc.	F.O.B.
	47-562	1000	.90	Net, no disc.	F.O.B.
	47-748	1 gal.	.80	Net, no disc.	F.O.B.
	47-748	2½ gal.	1.50	Net, no disc.	F.O.B.
44	47-12K	Ea.	9.30	Ea.	6.20 F.O.B.
	47-34SW	Ea.	2.45	(2)	3.68 F.O.B.
	47-43HF	Ea.	3.50	Ea.	2.33 F.O.B.
	47-43HHF	Ea.	8.70	Ea.	5.80 F.O.B.
	47-635	Ea.	.30		
	47-635	Doz.	2.20	Doz.	1.47 F.O.B.
	47-635	(50)	7.45	(50)	4.97 F.O.B.
	47-635	100	14.30	100	9.53 F.O.B.
	47-694	Ea.	1.25	Doz.	12.00 F.O.B.
	47-K	Ea.	2.95	Doz.	23.75 F.O.B.
45	47-PS30	Ea.	12.75	Ea.	9.55 Frt. All.
	47-301	Ea.	10.75	Ea.	8.05 Frt. All.
	47-711	Ea.	.95	(6)	3.90 F.O.B.
	47-471	Ea.	11.40	Ea.	8.25 F.O.B.

REMEDIES

46	47-820	1 pt.	.75	Doz.	5.34 F.O.B.
	47-824	1 pt.	.75	Doz.	5.34 F.O.B.
	47-830	½ lb.	.75	Doz.	5.34 F.O.B.
	47-833	Ea.	.60	Doz.	4.00 F.O.B.
	47-917	100	1.00	100	.67 F.O.B.
	47-917	300	2.70	300	1.80 F.O.B.
	47-917	500	3.80	500	2.54 F.O.B.
	47-917	1000	6.45	1000	4.30 F.O.B.
	47-918	100	1.50	100	1.00 F.O.B.
	47-918	300	4.00	300	2.67 F.O.B.
	47-918	500	5.50	500	3.67 F.O.B.
	47-918	1000	9.90	1000	6.60 F.O.B.
	47-920	100	1.00	100	.67 F.O.B.
	47-920	300	2.70	300	1.80 F.O.B.
	47-920	500	4.00	500	2.67 F.O.B.
	47-920	1000	7.20	1000	4.80 F.O.B.

Cat. Page	Cat. No.	Suggested Minimum Selling Price	How Packed	Dealers Net Price
REMEDIES—Continued				
47	47-938	1 lb.	.50 Ea.	.33 F.O.B.
	47-938	6 lbs.	2.75 6 lbs.	1.83 F.O.B.
	47-802	100	.50 100	.34 F.O.B.
	47-802	500	2.25 500	1.50 F.O.B.
	47-806	100	1.00 100	.67 F.O.B.
	47-806	500	4.50 500	3.00 F.O.B.
	47-8390	Ea.	3.85 Ea.	2.89 F.O.B.
	47-853G	Ea.	1.95 Ea.	1.46 F.O.B.
	47-854	Ea.	2.20 Ea.	1.65 F.O.B.
	47-857	Ea.	.15 Doz.	1.35 F.O.B.
	47-860C	4 oz.	.60 Doz.	4.80 F.O.B.
	47-860D	8 oz.	1.05 (6)	4.20 F.O.B.
	47-860B	1 pt.	1.70 (6)	6.87 F.O.B.
	47-860A	1 qt.	3.10 Ea.	2.07 F.O.B.
	47-860	1 gal.	10.00 Ea.	6.67 F.O.B.
	47-863	1 gal.	2.20 1 gal.	1.54 F.O.B.
	47-863	5 gal.	7.50 5 gal.	5.25 F.O.B.
	47-863	10 gal.	13.50 10 gal.	9.45 F.O.B.
	47-863	30 gal.	34.50 30 gal.	24.15 F.O.B.
	47-863	55 gal.	60.50 55 gal.	42.35 F.O.B.
	47-907	½ pt.	.95 (6)	4.25 F.O.B.
	47-907	1 pt.	1.65 (6)	7.43 F.O.B.
	47-907	1 qt.	2.45 (6)	10.63 F.O.B.
	47-907	1 gal.	7.70 Ea.	5.92 F.O.B.
	47-908	1 pt.	.70 (6)	2.97 F.O.B.
	47-908	1 qt.	1.25 (6)	5.31 F.O.B.
	47-916	2½ lbs.	.50 (6)	2.42 F.O.B.
	47-916	6 lbs.	1.00 (3)	2.40 F.O.B.
	47-916	12½ lbs.	1.75 Ea.	1.40 F.O.B.
	47-916	25 lbs.	3.25 Ea.	2.44 F.O.B.
	47-927	50	.55 Doz.	4.55 F.O.B.
	47-927	100	1.00 Doz.	8.50 F.O.B.
	47-927	500	3.75 Ea.	2.65 F.O.B.
	47-927	1000	6.50 Ea.	4.60 F.O.B.
	47-928	50	.85 Doz.	7.22 F.O.B.
	47-928	100	1.50 Doz.	12.75 F.O.B.
	47-928	500	5.50 Ea.	3.89 F.O.B.
	47-928	1000	10.00 Ea.	7.08 F.O.B.
	47-931	1 qt.	.60 (6)	2.80 F.O.B.
	47-931	1 gal.	1.60 (3)	3.75 F.O.B.
	47-932	50	.75 (6)	3.19 F.O.B.
	47-932	100	1.25 (6)	5.31 F.O.B.
	47-932	250	2.75 (6)	11.99 F.O.B.
	47-939	1 oz.	.35 Doz.	2.55 F.O.B.
	47-939	2½ oz.	.65 (6)	2.55 F.O.B.

GLASS CLOTH, ETC.

48	47-720	Yd.	.35	25yds.	5.88	F.O.B.
	47-720			50yds.	11.75	F.O.B.
	47-720			100yds.	23.50	F.O.B.
	47-721	Yd.	.81	10yds.	5.40	F.O.B.
	47-721			25yds.	13.50	F.O.B.
	47-721			50yds.	27.00	F.O.B.
	47-722	Yd.	.57	15yds.	5.70	F.O.B.
	47-722			25yds.	9.50	F.O.B.
	47-722			50yds.	19.00	F.O.B.
	47-723	Sq. ft.	.14	25 ft.	7.00	F.O.B.
	47-723			50 ft.	14.00	F.O.B.
	47-723			100 ft.	28.00	F.O.B.
	47-226L	Ea.	58.00	Ea.	38.67	F.O.B.
	47-304L	Ea.	75.00	Ea.	50.00	F.O.B.
	47-363L	Ea.	100.00	Ea.	66.67	F.O.B.
	47-434L	Ea.	117.00	Ea.	78.00	F.O.B.
	47-487L	Ea.	167.00	Ea.	111.34	F.O.B.
49	47-330	Ea.	13.00	Ea.	10.40	F.O.B.
	47-646SB	Ea.	11.03	Ea.	8.27	F.O.B.
	47-646RB	Ea.	23.10	Ea.	17.33	F.O.B.
	47-658AS	Ea.	14.02	Ea.	10.52	F.O.B.
	47-658AR	Ea.	29.15	Ea.	21.86	F.O.B.
	47-285	Ea.	47.95	Ea.	31.97	F.O.B.
	47-1611	Ea.	.45 Doz.		3.60	F.O.B.
	47-1632	Ea.	.65 Doz.		5.20	F.O.B.
	47-1641	Ea.	.35 Doz.		2.80	F.O.B.
	47-1651	Ea.	.30 Doz.		2.40	F.O.B.
	47-1599	Ea.	5.10	Ea.	3.40	F.O.B.

FEED MIXERS, HAMMERMILLS, ETC.

51	47-1700V	Ea.	149.50	Ea.	134.55	F.O.B.
	47-1HPS	Ea.	62.00	Ea.	55.80	F.O.B.
	47-2HPS	Ea.	102.00	Ea.	91.80	F.O.B.
	47-2HPT	Ea.	69.00	Ea.	62.10	F.O.B.
	47-2935V	Ea.	362.30	Ea.	326.07	F.O.B.
52	47-2935F	Ea.	350.20	Ea.	315.18	F.O.B.
	47-2934V	Ea.	326.00	Ea.	293.40	F.O.B.
	47-2934F	Ea.	314.00	Ea.	282.60	F.O.B.
	47-5HPS	Ea.	189.00	Ea.	170.10	F.O.B.
	47-5HPT	Ea.	92.00	Ea.	82.80	F.O.B.

Cat. Page	Cat. No.	Suggested Minimum Selling Price	How Packed	Dealers Net Price		
FEED MIXERS, HAMMERMILLS, ETC. Continued						
53	47-3835V	Ea.	434.70	Ea.	391.23	F.O.B.
	47-3835F	Ea.	422.60	Ea.	380.34	F.O.B.
	47-3834V	Ea.	398.50	Ea.	358.65	F.O.B.
	47-3834F	Ea.	386.40	Ea.	347.76	F.O.B.
	47-5HPS	Ea.	189.00	Ea.	170.10	F.O.B.
	47-5HPT	Ea.	92.00	Ea.	82.80	F.O.B.
	47-7HPS	Ea.	266.00	Ea.	239.40	F.O.B.
	47-7HPT	Ea.	120.00	Ea.	108.00	F.O.B.
	47-1BHM	Ea.	87.50	Ea.	78.75	F.O.B.
56	47-2BHM	Ea.	121.50	Ea.	109.35	F.O.B.
	3HP. Motor	Ea.	129.00	Ea.	116.10	F.O.B.
	47-695	Ea.	68.00	Ea.	61.20	F.O.B.
	47-684	Ea.	96.60	Ea.	86.94	F.O.B.
	47-688	Ea.	56.60	Ea.	50.95	F.O.B.
	47-696	Ea.	90.00	Ea.	81.00	F.O.B.
	47-219	Ea.	6.90 (2)	Ea.	9.20	F.O.B.
	47-130	Ea.	4.45	Ea.	2.97	F.O.B.
	47-129	Ea.	2.25	Ea.	1.50	F.O.B.
57	47-137	Ea.	.85	Ea.	.57	F.O.B.

WATER CONDITIONERS, ETC.

58	47-511	Ea.	106.26	Ea.	75.90	F.O.B.
	47-561	Ea.	137.06	Ea.	97.90	F.O.B.
	47-B511	Ea.	124.74	Ea.	89.10	F.O.B.
	47-B561	Ea.	155.54	Ea.	111.10	F.O.B.
	47-B591	Ea.	198.66	Ea.	141.90	F.O.B.
	47-200	Ea.	154.00	Ea.	110.00	F.O.B.
	47-300	Ea.	200.20	Ea.	143.00	F.O.B.
	47-400	Ea.	246.40	Ea.	176.00	F.O.B.
	47-6	Ea.	12.95	Ea.	8.75	F.O.B.
	47-216	Ea.	9.95	Ea.	6.97	F.O.B.
59	47-9	Ea.	5.25	Ea.	3.68	F.O.B.
	47-26	Ea.	4.95	Ea.	3.47	F.O.B.
	47-44	Ea.	21.50	Ea.	16.10	F.O.B.
	47-25	Ea.	21.50	Ea.	16.10	F.O.B.
	47-460G	Ea.	18.95	Ea.	12.65	F.O.B.
	47-460G	Ea.	18.95	Ea.	12.65	F.O.B.
	47-460G	Ea.	18.95	Ea.	12.65	F.O.B.
	47-460G	Ea.	18.95	Ea.	12.65	F.O.B.
	47-460G	Ea.	18.95	Ea.	12.65	F.O.B.
	47-460G	Ea.	18.95	Ea.	12.65	F.O.B.

STEAM GENERATORS, ETC.

61	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
62	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.
	47-J0	Ea.	498.50	Net, no disc.	Del.

63	47-56G	Selling Price F.O.B.	106.10	Dealer Price F.O.B.	84.88
	47-56D	124.50	129.90	99.60	103.92
	47-78G	142.50	150.50	114.00	120.40
	47-78D	171.50	180.30	137.20	144.24
	47-DES	15.00			
	47-DES	15.00			
	47-DES	15.00			
	47-DES	15.00			
	47-DES	15.00			
	47-DES	15.00			

SPRAYERS, FIRE EXTINGUISHERS

64	47-22G	Ea.	7.15	Ea.	5.89	F.O.B.
	47-14Q	Ea.	3.50	Doz.	31.50	F.O.B.
	(Note—List price 47-14Q raised from \$3.05 to \$3.50)					
	47-60SG	Ea.	27.50	Ea.	22.99	F.O.B.
	47-60SPG	Ea.	48.50	Ea.	40.34	F.O.B.
	47-707	Ea.	1.10 (24)	Ea.	16.00	F.O.B.
	47-36D	Ea.	1.40	Doz.	13.20	F.O.B.
	47-85HD	Ea.	10.40	Ea.	7.80	F.O.B.
	47-95HD	Ea.	12.80	Ea.	9.60	F.O.B.
	47-VL60	Ea.	1.50	Ea.	1.00	F.O.B.
65	47-2	Ea.	15.00	Ea.	11.48	F.O.B.
	47-4	Ea.	24.00	Ea.	18.36	F.O.B.
	47-10	Ea.	41.25	Ea.	31.56	F.O.B.
	47-15	Ea.	48.30	Ea.	36.95	F.O.B.
	47-25	Ea.	68.10	Ea.	52.10	F.O.B.
	47-25	Ea.	68.10	Ea.	52.10	F.O.B.
	47-25	Ea.	68.10	Ea.	52.10	F.O.B.
	47-25	Ea.	68.10	Ea.	52.10	F.O.B.
	47-25	Ea.	68.10	Ea.	52.10	F.O.B.
	47-25	Ea.	68.10	Ea.	52.10	F.O.B.

BRASS FOUNTS

67	47-B5E	Ea.	10.90	Ea.	7.30	Frt. All.
	47-B8E	Ea.	12.15	Ea.	8.10	Frt. All.
	47-B5L	Ea.	9.30	Ea.	6.20	Frt. All.
	47-B8L	Ea.	10.50	Ea.	7.00	Frt. All.
	47-B3	Ea.	4.50 (4)	Ea.	12.00	Frt. All.
	47-B5	Ea.	7.05	Ea.	4.60	Frt. All.
	47-B8	Ea.	8.25	Ea.	5.50	Frt. All.
	47-B8	Ea.	8.25	Ea.	5.50	Frt. All.
	47-B8	Ea.	8.25	Ea.	5.50	Frt. All.
	47-B8	Ea.	8.25	Ea.	5.50	Frt. All.

BROILER BOXES AND HATCHERY SUPPLIES

Brower's DeLuxe Broiler Boxes



These Boxes are made of heavy, paraffined Kraft Lined Chip Board. They are made in one size—suitable to accommodate a two- to three-pound dressed broiler. They are printed on three sides with an attractive design as shown in the illustration. Printing is in green ink. They

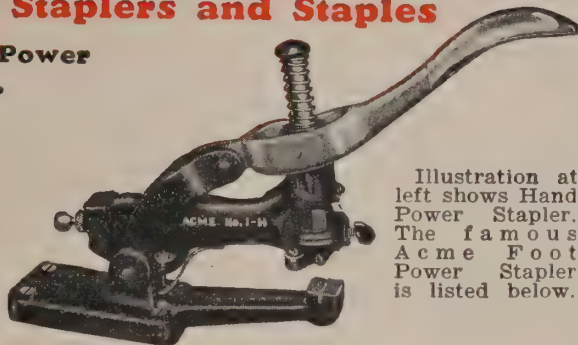
are shipped flat, easily and quickly assembled without staples or tape.

No.	Size	Weight Per 1000	Price of 100	Price of 500	Price of 1000
47-5477	3½x4x8"	150 lbs.	\$2.30	\$10.90	\$20.05

F. O. B. Quincy, Ill.

Acme Staplers and Staples

Acme Hand Power Stapler



Sturdily built. Operated by an easy acting hand lever and has an extra deep throat. Ideally suited to the small hatchery and generally used in the larger hatchery as auxiliary equipment for busy seasons. Staples feed down accurately, without clogging. Takes standard No. 61S broad flat wire Staples.

No. 47-1H—ACME HAND POWER STAPLER. Shipping weight 9 lbs. Price.....**\$12.25**

F. O. B. Quincy, Ill., or Factory

No. 47-611—ACME FOOT POWER STAPLER. Height 52". Shipping weight 120 lbs. Price.....**48.25**

F. O. B. Quincy, Ill., or Factory

ACME COHERED STAPLES

No. 47-61S—ACME BROAD, FLAT WIRE STAPLES with ⅝" leg for Acme Staplers No. 1H and No. 611. Packed 5000 Staples to a box. Wt. per box 1 lb. 14 oz.

1 box only, price	\$2.22
5 box lots, per box	2.10
10 box lots, per box	1.98
25 box lots, per box	1.86

F. O. B. Quincy, Ill.

No. 47-XX—ACME STAPLES with ⅝" leg. For old-style Acme No. 1 Chick Box Stapler (not shown here). Packed 5000 Staples to a box. Wt. per box 1 lb. 2 oz.

1 box only, price	\$1.92
5 box lots, per box	1.80
10 box lots, per box	1.68
25 box lots, per box	1.56

F. O. B. Quincy, Ill.

U-STAPLES FOR CHICK BOXES

No. 47-562—TIN U-STAPLES, packed 1000 to a box. Weight 3 lbs. Price, per box.....**\$0.90**

Postage extra.



BROWER'S HATCHERY GLUE

No. 47-748—GLUE. For gluing on chick box sticks and for general hatchery and office use.

1 gallon can, weight 15 lbs., price	\$0.80
2½ gallon jar, weight 46 lbs., price	1.50

F. O. B. Quincy, Ill.

Order Your Poultry Supplies the Easy, Catalog Way

The Poultry Tribune, one of the leading magazines of the two-billion dollar a year poultry industry, says:

"It's so easy to sit down with the modern catalog and order blank to select exactly the kind of chicks and merchandise you need. In this way the best products, which are the results of many years of breeding and engineering effort, are made available to everyone, no matter where the source is located."

"Both poultry supplies and baby chicks can be purchased satisfactorily the easy, dependable mail order way."

WHIRLWIND TRAY CLEANER

Cleans Faster—Better—Saves Time



Brower's Whirlwind Tray Cleaner saves time and effort. It is equipped with a special 5" diameter power-driven circular steel wire brush that spreads to 6" in diameter when operating. This large brushing surface minimizes the time required for cleaning trays and wire mesh floors. Revolves at 1750 r.p.m. and, as the tray is lightly passed over it, the Wire Brush instantly picks off particles of shell and all matter adhering to the screen of the tray.

Comes equipped with a ¼ H. P., 110 volt, 60 cycle, A. C. high-grade electric motor; a ½" direct shaft attachment and one Whirlwind Wire Brush, as illustrated.

No. 47-716—TRAY CLEANER complete with motor as shown. Wt. 31 lbs. Price.....**\$24.00**

No. 47-717—WIRE BRUSH only. Wt. 3 lbs. Price.....**4.95**

No. 47-717S—WIRE BRUSH AND SHANK, to connect to motor. Wt. 3 lbs. Price.....**6.30**

Prices Prepaid in U. S. A.

ELECTRIC WATER HEATER

Fine for Stock Tanks

It is often necessary for the poultryman, dairyman, farmer, or home owner to heat small quantities of water for cleaning, sterilizing, bathing or other purposes.

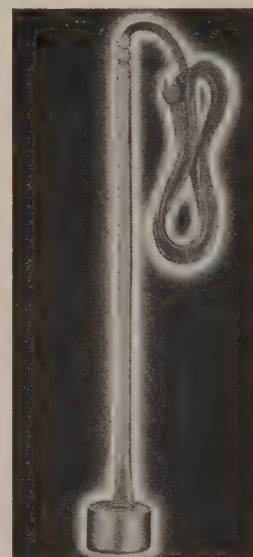
The Brower Water Heater provides a quick, cheap, and easy means of furnishing hot water. Can be used in pails, clothes boilers, troughs, tanks, etc.

Chromalox Heating Element

Reliable, long-lasting Chromalox Heating Element is enclosed in the large hollow section at the bottom of the heater. 10-foot rubber covered cord and plug furnished with heater. Brass sheath, nickel-plated. 1300 watts. Can be used with 110-120 volts A. C. current.

No work, no bother, no mess, no more long hauls of hot water. Just plug in a Brower Water Heater! 26" long. Shipping weight, 5 lbs.

No. 47-CHL—BROWER WATER HEATER WITH CHROMALOX HEATING UNIT. Price Each, F.O.B. Quincy, Ill.....**\$15.35**



Standard Toe Punch

For marking baby chicks by punching hole in web between the toes. Prepaid in U. S. A.

No. 47-33X—TOE PUNCH. Price each.....**\$0.15**

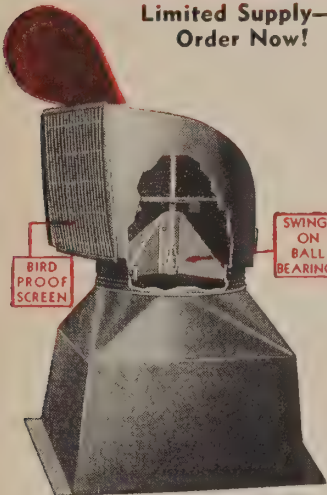


BROWER'S

Revolving Head Roof Ventilators

Standard Turkey Feeders

Limited Supply—
Order Now!



Proper ventilation removes foul moist air and increases health of poultry, hogs, and other livestock. For use on Laying Houses, Brooder Houses, Hog Houses, Barns, Storage Houses, and Factory Buildings.

Provided with large, strong vanes that respond to the slightest breeze. The ball-bearing revolving head is perfectly counter-balanced.

Substantially constructed of heavy, durable **Armco Ingot Iron** finished with silver aluminum paint. Base can be fitted to any style roof. Fitted with bird-proof screen.

This roof ventilator is built to withstand all kinds of weather and quick shifts in wind directions without damage of down-draft.

No. 47-12K—Flue diam. 12 in.; base 16x16 in.; height 34 in. Wt. 23 lbs. Price, each.....**\$9.30**

F. O. B. Quincy, Ill.



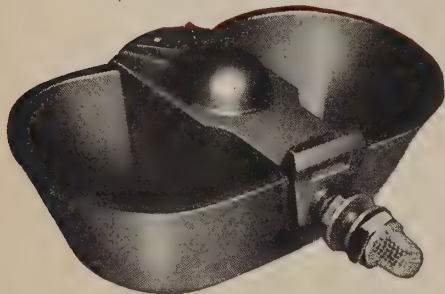
Constructed of heavy galvanized iron, ends electric welded and soldered, can be used for feeder or waterer. Built to hang on outside of sun porch by hooking into welded wire fabric. Hangers permit troughs to be tilted back for easy filling. Practically rainproof. Non-billing grill eliminates feed waste.

No. 47-34SW—Feeder or Waterer. Width 6 3/4", opening 5" high, over-all height 9 1/2", length 38". Weight 5 lbs.

Price, each.....**\$2.45**

F. O. B. Quincy, Ill.

Brower Hog Fountains



Heated and Unheated

Hogs gain weight faster and cut feed costs when supplied fresh water with a Brower Hog Fountain, easily attached to any farm tank or barrel.

WATERER CONSTRUCTION

—Heavy cast iron bowl 14" long, 7" wide, 4 1/2" deep. Enameled. Two-piece lever valve with rubber valve gate. Valve and metal

float protected by removable cast iron housing. Galvanized strainer prevents valve from clogging.

HEATER BASE—14-gauge copper bearing steel, attractively enameled. 2 1/2 pint oil container, No. 2 Badger Burner. Burner cannot be knocked over or blown out.

No. 43HF—Hog Fountain only, without Heater Base (as illustrated). Shipping wt., 15 lbs. Price, each.....**\$3.50**

No. 43HHF—Heated Hog Fountain complete with Heater Base (not illustrated). Shipping wt., 18 lbs. Price, each.....**8.70**

F. O. B. Quincy, Ill.

Brower's E-Z-Way Fowl Catcher

Is a Great Labor Saver

Yes, it is a humane, handy tool that catches quickly, without injury, and holds securely, Hens, Pullets and Broilers. It saves much labor and time when culling flocks of pullets or hens, broilers for marketing, and chickens to kill for home use. It catches chickens in a quiet manner without danger of exciting laying hens, that would cause a slump in egg production for several days. It is a valuable tool that every poultry raiser should use. Feed dealers and hatcherymen find them a fine gift for their customers. Also a handy, time-saving tool for pulling down branches when picking fruit.



Made of heavy one-piece galvanized spring steel rod with a sure catch, hold tight, leg loop hook, fitted with nice wood handle.

No. 47-635 Fowl Catcher

Each	\$ 0.30
Dozen	2.20
Per 50	7.45
Per 100	14.30

Postpaid U. S. A. Wt., 6 lbs. per doz. Write for Special Prices on 1,000 lots.



**PICKING
FRUIT**

All Steel Milk Stools



Every
Milker
Needs
One!

Strong, rigid and extremely durable. Comfortable and sanitary. Made of heavy formed sheet steel electric welded and reinforced throughout, bonderized for permanent protection from rust; gray enamel finish. Ht., 12"; diam., 10"; wt., 7 lbs.

No. 47-694—Steel Milk Stool.
Price, each.....**\$1.25**

F. O. B. Quincy, Ill.

Automatic Ketch-All Mouse Trap

One of the most destructive pests are mice, which destroy a tremendous amount of feed, grain, flour, cheese, etc., yearly.

With Ketch-All Traps it is possible to eliminate mice and other rodents from homes, stores, warehouses, elevators and mills. At one setting it will catch from 20 to 25 mice. It automatically sets itself and catches one after another as they enter the trap. Trapped mice are not killed, and after caught will attract other mice. Doesn't require daily attention—several traps can be set and checked only every second or third day. Not necessary to touch or handle rodents in any way—just dip the trap into a pail of water to destroy the mice. A valuable and everlasting investment.

Simple and Easy to Set Trap

1. Simply slide off top and place bait of flour, cheese, etc., in sealed compartment, where it cannot be destroyed.
2. One simple winding sets trap to catch 20 to 25 mice.
3. Easy entrance to trap from 2 sides. Mice cannot escape when other rodents enter opening.
4. Rigid, almost indestructible galvanized, rust-proof construction is a guarantee of many years of satisfactory service.
5. All working parts are protected as they are enclosed in trap.
6. Size 9 in. deep, 7 in. wide, 5 1/2 in. high.

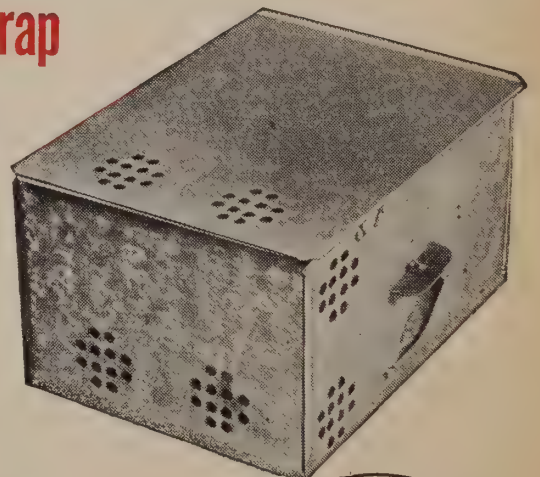
No. 47-K—Ketch-All Mouse and Rodent Trap. Weight, 3 lbs. Price, each.....**\$2.95**

Evidence From Satisfied Customers—

"I used one of your traps in the feed store for better than a year and a half and caught not less than 18 mice in it the first night. It can be used indefinitely and is practically indestructible."

Manilla Farm Supply Co., Manilla, Iowa.
"We have used one Automatic Ketch-All Mouse Trap for nine months. We have caught as many as 10 mice in one night. It is a very effective trap."

New Richland Produce Co.,
New Richland, Minn.



BROWER'S LIGHTING SWITCHES

INCREASE WINTER
EGG PRODUCTION
25 TO 35 %



Provide Proper and Accurate Lighting and
Your Hens Will Increase Production.

Value of Extra Eggs Will Soon Pay for Control

Brower's Time Switch automatically duplicates the daylight hours of a summer day. Can be installed at any point in wiring system. Operates bright circuit in the morning and at night, or any desired hour, followed by dim circuit which is maintained for 15 minutes to allow hens to return to roost before lights go out. We recommend a 50-watt bulb to every 200 sq. ft. of floor space for general use with 10-watt bulbs for the dimming over the roosts.

Hens Will Not Lay Many Eggs on Half Rations

You know that hens cannot lay on half rations. It takes all the food they need to keep up their bodies and then some more before there is any for the manufacture of eggs. It takes time to consume this extra food and unless that extra time is furnished them, there will be fewer eggs. Lengthen the short winter days with properly regulated lights. Then, watch the egg flow. See how an efficient lighting system pays for itself within the first few weeks, how the average flock will increase production within a month after the lights start working. Reliable records show that an efficient lighting system will increase egg production 25-35% during the fall and winter months when eggs demand highest prices.

Timing Control for Morning and Evening Lighting

No. 47-PS30 With Dimming Circuit

This arrangement most nearly equals the summer daylight hours and so is preferred by the majority of poultrymen. The automatic control turns the lights ON at any desired time—about 4:00 to 5:00 A. M., OFF at sunup; then ON again at sundown and OFF again at 7:00 to 9:00 P. M., at which time dimmers are automatically turned on for a 15-minute period to allow hens to go to roost. Time changes, to suit changing sun conditions, can be made in one minute. Simple in construction. Easy to install.

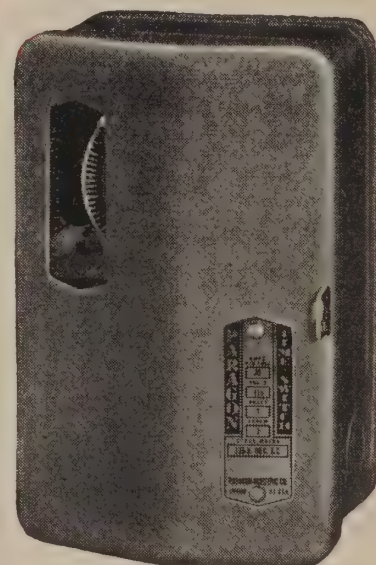
Brower's No. PS30 motored-operated time switches are recognized in the industry as the finest poultry house lighting controls obtainable. They are approved and endorsed by the U. S. Department of Agriculture and the poultry husbandry division of most of the state experiment farms.

These time switches have just been redesigned completely, with many of the parts made of hard Alcoa aluminum specially finished to protect the

motor against corrosion. They have been developed especially for poultry house lighting from the standard heavy duty industrial line of Paragon Time Switches, therefore providing the essential requirements of absolute regularity, care-free dependability and long life.

The PS30 Time Switch has a two-circuit automatic switching arrangement, providing a 3000-watt bright light circuit, and a 1000-watt dim circuit which gives the hens an opportunity to roost before the coop is entirely darkened. Housed in a dust-tight moisture proof, deep drawn steel case with hasp lock cover. Trouble-free mechanism, equipped with a heavy duty Telechron motor. Special lubrication for low temperature operation and equipped with a 4-watt coil that furnishes plenty of power for cold weather, yet is very economical in operation. All motor reduction gears operate in oil so lubrication is not necessary. Adjustments and time changes can be instantly made, without the use of tools.

Brower Time Controls are standard to operate on 60-cycle alternating current, 115 volt.



New style No. PS30 Time Switch—
Underwriters' Approved.

No. 47-PS30—Morning and Evening Lighting Time Switch and Dimming Circuit. Capacity: 3000 watts on bright circuit, 1000 watts on dim circuit. Case size, 7 $\frac{1}{8}$ "x4 $\frac{1}{2}$ "x3 $\frac{3}{4}$ ".

Shipping weight, 4 lbs. Price each.....

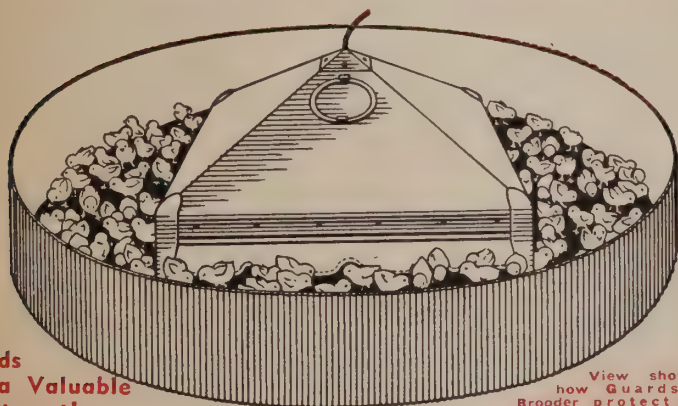
\$12.75

No. 47-301—ON and OFF Electric Switch—Less Dimming Circuit. Capacity: 3000 watts. Supplied standard for one ON and OFF operation. Case size, 7 $\frac{1}{8}$ "x4 $\frac{1}{2}$ "x3 $\frac{3}{4}$ ". Can also be used to turn show window lights on and off. Shipping weight, 4 lbs. Price each.....

\$10.75

The above prices are F. O. B. Quincy, Ill.

Brower Corrugated Chick-Guard



Guards
Are a Valuable
Investment!

View showing
how Guards and
Brooder protect baby
chicks from being chilled
and piling up in corners and
smothering.

It Protects
Me from . .

Disastrous Floor Drafts, which are eliminated by this big 12" high, 40" long corrugated Chick-Guard.

Crowding in Corners, which is prevented when the easily erected Brower Chick-Guard is used. Chicks have no excuse to pile up in corners—there are no corners.



Congestion, for the Chick-Guard is easily adjusted for any size brood and there is no reason for chicks to crowd together when they are confined to a proper brooding area around the brooder.

No. 47-711—40 ft. by 12 in. Wt. 3 lbs. (1 per bundle).....**\$0.95**

F. O. B. Quincy, Ill.

Brower's DeLuxe Debiller

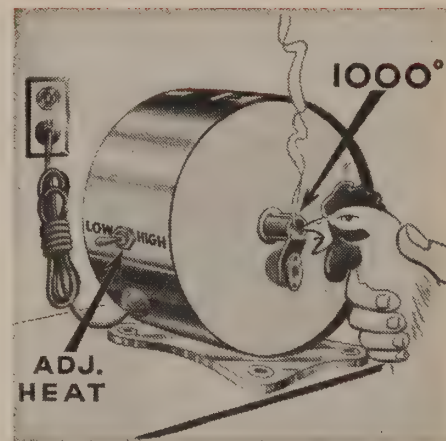
Quickly sears back, also cauterizes the upper beak of birds, to stop picking, feather pulling and cannibalism. Debilling prevents the domineering and fighting of roosters and tom turkeys that kill many valuable fowl, and prevent proper mating during the breeding season, causing poor hatches. The value of fowls saved soon pays cost of Debiller—proper debilling does not slow up egg production.

Easy and Quick to Use—
Costs Less Than Other
Methods

Two heat adjustments—choice of 200 watts or 120 watts. Cauterizer attains maximum temperature of 1000 degrees within ten minutes. Reversible cauterizing rod with concave surface for rounded upper beak, or flat for additional speed. Debills fast without bleeding. No moving parts—steel base in hard aluminum frame—new exploded silica insulation—modern design. Ready to use—mount at a convenient height and plug into 110-120 volt outlet. (A.C. or D.C.)

No. 47-471 Debiller—Size 7 $\frac{1}{2}$ x5 $\frac{1}{2}$ x7 $\frac{1}{2}$ inches high. Weight 6 lbs. Price each.....**\$11.40**

Postpaid.

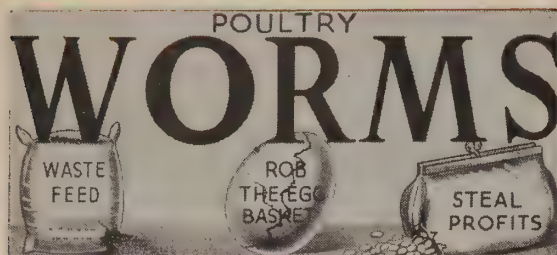


BROWER

EVERY BROWER

Remedies SAVE and MAKE YOU MONEY

EVERY BROWER POULTRY REMEDY GUARANTEED



Worms Kill Chicks — Stunt Growth — Ruin Health — Pays Big to Worm

Worm poultry easy, fast, safe, at little cost with Brower Tuway Worm Tablets. Kill, expel dangerous, profit-stealing round worms and tape worm strobilae. Brower tablets cost little—save much. No medication is wasted. They are ground up in the gizzard; worm killing ingredients are

discharged, in full force, directly on the worms in the intestinal tract. No sickness. No interference in egg production. Brower Tuway Tablets kill worms only, save feed, increase egg production, keep up vitality, aid in preventing disease. Ingredients in Brower Tuway Tablets are guaranteed exact amounts recommended by highest poultry authorities for killing, destroying large round worms and tape worm strobilae.



Scanty feathers, underweight birds may be sure signs of worms.

No. 47-917—Brower PULLET SIZE Tuway Worm Tablets. For pullets, cockerels and poults up to 10 weeks old. Only one tablet per bird needed.

100 tablets	\$1.00
300 tablets	2.70
500 tablets	3.80
1000 tablets	6.45

No. 47-918—Brower ADULT SIZE Tuway Worm Tablets. For layers, market birds, turkeys over 2½ lbs. Only one tablet per bird needed.

100 tablets	\$1.50
300 tablets	4.00
500 tablets	5.50
1000 tablets	9.90

(Postpaid in U. S. A.)



Prevent Blackhead KILL PIN WORMS

Cecum (Pin) worms spread turkey killing blackhead. Brower Phen-o-thi-a-zine Tablets kill and expel pin worms. Help stop blackhead spread. Treat all young chickens and turkeys at 8 to 10 weeks. Laying stock twice each year—in spring and at culling. Results are positive. Faster growth, more eggs, less disease, guarding against blackhead, are profits gained. Brower Phen-o-thi-a-zine Tablets contain phenothiazine, the only oral medication known today that will kill pin worms.

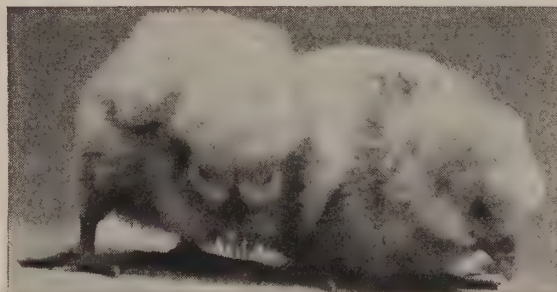
No. 47-920—Brower Phen-o-thi-a-zine Tablets. One - half tablet treats pullets, cockerels, poults; one tablet for adult chickens and turkeys.

100 tablets	\$1.00
300 tablets	2.70
500 tablets	4.00
1000 tablets	7.20

(Postpaid in U. S. A.)



Look for these signs when roup and colds attack.



Roup and colds kill millions of chicks every year.

DON'T LET COLDS KILL YOUR BIRDS

Adult Fowl Cold Killing Spray

Roup, colds are contagious, dangerous. At the very first sign of a sneeze, plugged nostrils, swollen eyes use Brower Flock Vapor Spray—an aromatic spray that helps kill roup, head colds and diseases of the upper respiratory tract, coughs, sneezing due to colds. Use in ordinary household spray gun. Rousy birds can't lay eggs. Clean up profit-stealing colds in a hurry. Save feed. Get more eggs and broilers from cold-free flocks. Use Brower Flock Vapor Spray regularly as a preventive on damp, raw days. Keep it handy for use at all times against contagious roup, head colds, sneezy, sick birds due to colds.

No. 47-820—Brower Flock Vapor Spray.

1 pint	\$0.75	6 pints	\$4.00
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(Postpaid in U. S. A.)

Special Spray for Baby Chicks and Poults

Baby chicks, little poults, young stock can't stand strong vapor sprays used for adult fowl as an aid in correcting roup, swollen heads, coughs, sneezing, colds, plugged nostrils, closed eyes, flu, and diseases of the upper respiratory passages due to colds. They need soothing medication. Brower Chick Vapor Spray is like human nasal sprays—contains soothing ingredients. Keep baby chicks and poults free from those dangers that cause hundreds of thousands of deaths yearly. Spray with Brower Chick Vapor Spray on cold, damp days as a preventive and use liberally at very first sign of a sneeze, plugged nostrils or swollen eyes due to colds.

No. 47-824—Brower Chick Vapor Spray.

1 pint	\$0.75	6 pints	\$4.00
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(Postpaid in U. S. A.)

BROWER POULTRY TONIC

Treats 100 Adult Fowl for Only 75c



Brower Poultry Tonic makes them feel like this.

Peps birds up when sickly or off feed. One package is enough for complete 10-day treatment for 100 adult birds or 200 chicks—only ¾ of 1c per day for 10 full-grown hens and half this much for young stock. Contains medicinal ingredients not found in poultry feeds. For chickens, turkeys, all domestic fowl. Fine for growing stock, pullets going into egg production, molting hens, others convalescing from disease.

No. 47-830—Brower Tonic for Poultry.

1-½-lb. carton	\$0.75
6-½-lb. cartons	4.00

(Postpaid in U. S. A.)

BROWER SODI-FLOR

KILLS Chicken Lice, Roaches, Water Bugs

Also Valuable Against Lice on Dogs, Horses, Cattle and Sheep

Big container, enough for 100 adult fowl. Not an ordinary so-called "louse powder." Contains more than 44% active ingredients. Compare this with the 2% active ingredients in ordinary "louse powders." Brower Sodi-Flor kills body, head lice and their eggs; roaches, water bugs.

No. 47-938—Brower Sodi-Flor Louse Powder.

1-lb. container	\$0.50
6-lb. container	2.75

(Postpaid in U. S. A.)



STOP VENT PICKING

One Pullet Saved PAYS ALL COSTS

Vent picking costs a fortune every year. Watch for injured toes, picked vents, feather pulling, wounds that start costly cannibalism. At very first sign of blood use Brower Pik-Oint. Looks like blood but is extremely bitter to taste. One or two "picks" and habit is broken. Cannibalism stops; disemboweled chicks, injured birds are avoided; many dollars are saved at trifling cost. Contains valuable antiseptics to destroy germs; astringents to stop discharges; helps promote rapid healing.

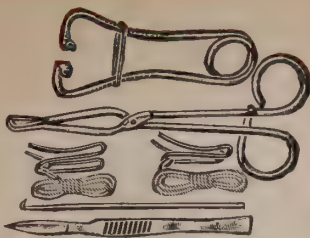
No. 47-833—Brower Pik-Oint.

1 container for 200 treatments	\$0.60
3 containers for 600 treatments	1.50

(Postpaid in U. S. A.)

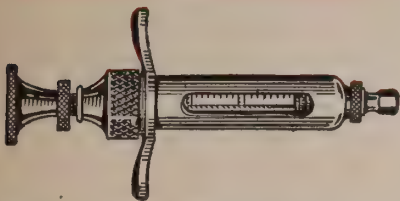
Caponizing Sets

Consists of two tying hooks and cord, one standard scalpel, one membrane hook, one adjustable spreader and improved type testicle remover. Packed in box. Instructions.



No. 47-8390—CAPONIZING SET.....\$3.85
Postpaid in U. S. A.

Serum Syringes



Useful on every poultry ranch where needle injections are used. Finely made; long lasting with proper care; graduated measurements; easy to use. Illustration shows No. 853-G Syringe. A substantial, well made syringe like this is a good investment.

No. 47-853-G—5 CC. GLASS BARREL SYRINGE, for administering either tuberculin or bacterin. Each.....\$1.95

No. 47-854—10 CC. GLASS BARREL SYRINGE, twice the capacity of No. 853-G. Each.....2.20

No. 47-857—EXTRA NEEDLES, for either of above syringes. Each......15
Postpaid in U. S. A.

"C-A" CARBOLINEUM

Used against termites, red mites, blue bugs. Helps preserve wood. One application should last 1 to 3 years. One gal. for 8x10-foot chicken house.

No. 47-863—(F. O. B. Quincy, Ill., or Factory)

1 gallon	\$ 2.20
5 gallons	7.50
10 gallons	13.50
30-gallon drum	34.50
55-gallon drum	60.50

Bowel Troubles

KILL CHICKS

STEAL EGGS

CAUSE DEATH



CHECK Health Robbing DIARRRHEA with BROWER D-W Tablets

D-W Tablets for All Adult Fowl — D-W Tablets for Chicks, Poults

At the very first sign of diarrhea in adults and pasting up behind in chicks use Brower Drinking Water Tablets. They help check dangerous, strength-wrecking bowel discharges. Only one tablet per gallon drinking water is needed (large size for adults; small size for chicks). Lasts until water needs changing—not just for few hours. Cost only 1c per gallon for adult and ½c per gallon for chick medicated drinking water. Also soluble in milk and buttermilk. May be used in metal drinking fountains.

No. 47-806—Brower Drinking Water Tablets for all Adult Fowl over 2½ lbs.
100 tablets.....\$1.00 500 tablets.....\$4.50

No. 47-802—Brower Drinking Water Tablets for Chicks, Poults up to 8 weeks.
100 tablets.....\$0.50 500 tablets.....\$2.25

(Postpaid in U. S. A.)

Brower Disinfectant Spray KILLS GERMS

A spray for brooder equipment, batteries, etc.; a dip for rinsing feed utensils, screens, etc. Shipped concentrated. Contains 94.20% active ingredients that destroy bacteria, kill germs, microbes; eliminates foul odors.

All you do is mix Brower Disinfectant Spray Concentrate with water. Only 1 quart makes 10 gallons. Helps defeat roup, catarrh, flu, pneumonia, pox, diphtheria, colds, swollen heads. Can even be sprayed on baby chicks. Fast-acting disinfectant, germicide, bactericide. Remember, Brower Disinfectant is concentrated—you don't pay medicinal price or freight for water. You save money. Makes a finished spray cost as little as 26c per gallon.

No. 47-860C—4 ozs. makes 5 qts. finished spray.....	\$ 0.60
No. 47-860D—8 ozs. makes 10 qts. finished spray.....	1.05
No. 47-860B—1 pint makes 5 gals. finished spray.....	1.70
No. 47-860A—1 quart makes 10 gals. finished spray.....	3.10
No. 47-860 —1 gal. makes 40 gals. finished spray.....	10.00

(Postpaid in U. S. A.)



THOUSANDS OF CUSTOMERS PRAISE PRATT'S REMEDIES



PRATT'S POULTRY REGULATOR

More eggs from "Trace Element" starved flocks. When feeds are deficient in Trace Elements (Manganese, Iodine, Iron, etc.) production, egg shell quality, hatchability, flock health—all may be poor. That's why Pratt's Poultry Regulator has for generations been a favorite addition to poultry mash. Supplies all "Trace Elements" known as vital to poultry.

Catalog No. 47-916	
2¾-lb. Package	\$0.50
6-lb. Package	1.00
12½-lb. Package	1.75
25-lb. Drum	3.25

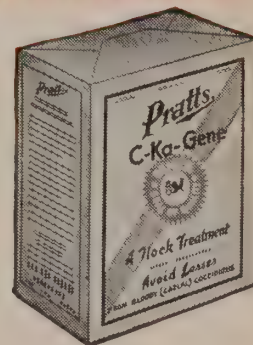


PRATT'S C-KA-GENE

Helps poultrymen avoid heavy losses from Bloody Coccidiosis. Works by the new immunity (permanent protection) method. Simply mix in mash feed.

Catalog No. 47-932

50-Chick Size	\$0.75
100-Chick Size	1.25
250-Chick Size	2.75



PRATT'S ROOST PAINT

Now contains DDT and Nicotine. Just paint it on the roosts to kill lice on birds. Works by both fumes and contact. A valuable aid in combating mites. A pint treats approximately 480 feet of roosts.

Catalog No. 47-907

½ Pint	\$0.95
1 Pint	1.65
1 Quart	2.45
1 Gallon	7.70



PRATT'S "SPLIT-ACTION" NK CAPSULES

Wormy hens are not profitable. Poultry authorities tell us that a large percentage of all adult poultry are wormy. You should worm hens to increase egg production.

Pullet Size	
Catalog No. 47-927	
For Chickens 8 to 10 weeks old.	
Turkeys 2½ to 6 lbs.	
50 Capsules..	\$ 0.55
100 Capsules..	1.00
500 Capsules..	3.75
1000 Capsules..	6.50

Adult Size	
Catalog No. 47-928	
50 Capsules..	\$ 0.85
100 Capsules..	1.50
500 Capsules..	5.50
1000 Capsules..	10.00



PRATT'S POULTRY INHALANT

Loosens mucus in nose and throat, giving helpful relief from that tight stopped-up feeling that makes colds so distressing. Just spray it in the poultry house as directed.

Catalog No. 47-908

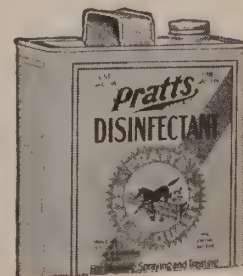
1 Pint	\$0.70
1 Quart	1.25

PRATT'S DISINFECTANT

A gallon mixed with water makes a barrel of powerful disinfectant. Mixed with kerosene or oil makes highly effective litter spray at fraction of usual spray prices. Six times as strong as carbolic acid as a germ killer. For General Disinfectant use 3 tablespoons in 1 gal. water. For lice control ½ pt. to 7 gal.

Catalog No. 47-931

1-Quart Can	\$0.60
1-Gallon Can	1.60



PRATT'S CHICK TABLETS

New "floated" Chick Tablets protect drinking water all day... not for just a few hours. Most practical, effective protection of chicks' drinking water we've seen. Use 1 tablet in 1 qt. water or 5 tablets in 8 qts. water.

Catalog No. 47-939

1-oz. Package	\$0.35
2½-oz. Package	.65

If total of Remedy Order amounts to \$2.00 or more we pay postage in U. S. A.

AS REPRESENTED AND TO DO AS CLAIMED OR MONEY REFUNDED.

LAU Propeller-Type "NITEAIR" FANS

Very Practical for Hatcheries, Feed Stores, Broiler Plants, Dairies, Factories, Offices, Homes, Etc. Fine for Hay Drier Installations in Barns

Lau propeller-type "Niteair" fans are designed for a wide variety of applications, where it is necessary or advantageous to exhaust undesirable air and provide fresh air from the outside. These Lau fans are particularly useful around hatcheries and poultry plants because of the necessity of having fresh air at all times. Can be used in hatchery incubator rooms, broiler plants, poultry dressing plants, offices, factories, basements, storage rooms, retail establishments and farm buildings. A Lau "Niteair" Fan can be used to construct a very fine hay drier in the loft of a barn. Many farm papers and agricultural colleges are today publishing plans for hay drier installations.

Lau "Niteair" Fans provide an efficient and economical method for correcting innumerable air-control problems. Removes dust-laden, foul, contaminated, or excessively

hot air, fumes, gases, dirt or smoke. Helps keep temperature constant.

Fine for Homes, Too

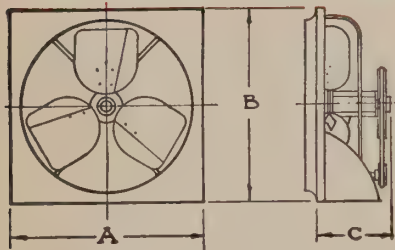
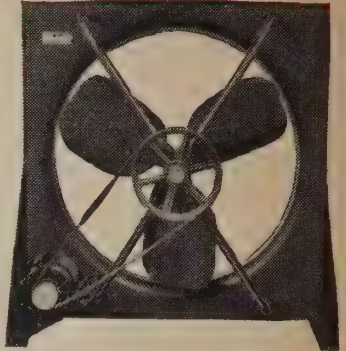
Many home owners are now installing Lau "Niteair" Fans to circulate cool night air through living and sleeping rooms for greater summer comfort. In the morning they turn off the fan, close all windows and doors, and the house stays cool all day. See drawing below which shows how this is accomplished.

New "Streamlined" Feature Assures Maximum Efficiency

Improved design of the Lau Venturi-Type, entrance housing reduces air "drag" and turbulence. This assures increased delivered volume with less power, and eliminates the most common cause of "air noise."

110-volt, 60-cycle, single phase motors will be supplied unless otherwise specified in order. $\frac{3}{4}$ h.p. motors and 110/220-volt.

STANDARD EQUIPMENT: A panel type fan unit complete with long hour motor with overload protector and drive, supported on welded steel angle iron, and with attractive baked green finish.



(Refers to Dimensions Below)

5 Diameter Sizes — Range of 5 Discharge Capacities

Dimensions — Specifications — Prices Complete With Motor

Unit	Fan Size	Dimensions			Cu. Ft. Per Min.	Revolutions Per Min.	Horse Power	Shipping Weight	Price F. O. B. Factory
		A	B	C					
No. 47-226L	22"	29"	24½"	11"	3,800	700	1/6	50 lbs.	\$ 58.00
No. 47-304L	30"	38"	38"	13½"	7,100	460	1/4	85 lbs.	75.00
No. 47-363L	36"	42"	42"	13½"	10,150	400	1/3	103 lbs.	100.00
No. 47-423L	42"	48"	48"	16"	12,600	330	1/3	168 lbs.	117.00
No. 47-487L	48"	54"	54"	16"	18,000	332	3/4	200 lbs.	167.00

See page 45 for Time Switches that can be used to turn fans on and off at any time specified.

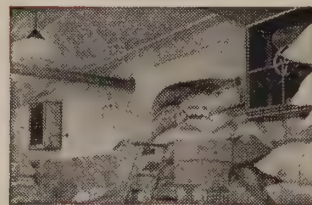
New Standards of Quiet, Efficient, Economical Operation

Vibration-Free Fan and Motor Mounting

Venturi-Type Entrance Housing. Entire Assembly Statically Balanced. Self-Aligning Pillow Blocks.

Durex Porous Metal Bearings

NOTE: The size of the fan or fans required is determined by the size of the room or space from which it is desired to expel the air. For example: A 40-ft. by 100-ft. building 14 ft. high contains 56,000 cubic feet of space. To completely change the air 4 to 5 times an hour, which is recommended for the average poultry house or broiler plant, would require one No. 46-304L fan. Other commercial installations will probably require more changes of air per hour.



Remove Musty, Stale Air



Pull in Cool, Fresh Air

Warp's WINDOW MATERIALS

Let Thru
ULTRA VIOLET LIGHT
The Sunshine Vitamin D Rays
HOLD IN HEAT—KEEP OUT COLD
BETTER THAN GLASS

ONLY 35¢
Sq. Yd.

WARPS EXTRA HEAVY FLEX-O-GLASS
GUARANTEED 2 YEARS

ONLY 81¢
Sq. Yd.

WARPS Wyr-O-Glass

ONLY 57¢
Sq. Yd.

WARPS Glass O-Net

ONLY 14¢
Sq. Ft.

WARPS Screen Glass

ONLY 27¢
Sq. Yd.

WARPS Window-Fabric

ONLY 40¢
Sq. Yd.

WARPS Red VI-O-Tex

UNDER GLASS 7oz. IN 31 DAYS

UNDER WARP'S Wyr-O-GLASS ONE POUND IN 31 DAYS

More Eggs—Save Chicks—Give Them Ultra-Violet Rays. Cut with shears and tack on.

UNDER GLASS 7oz. IN 31 DAYS

UNDER WARP'S Wyr-O-GLASS ONE POUND IN 31 DAYS

ONLY 14¢
Sq. Ft.

WARPS Screen Glass

ONLY 27¢
Sq. Yd.

WARPS Window-Fabric

ONLY 40¢
Sq. Yd.

WARPS Red VI-O-Tex

Poultry House Windows, Brooder House Fronts, Hot Beds, Cold Frames, Porch Enclosures, Storm Windows and Doors, Many Other Uses.

Poultry House Windows, Brooder House Fronts, Hot Beds, Cold Frames, Porch Enclosures, Storm Windows and Doors, Many Other Uses.

Poultry House Windows, Brooder House Fronts, Hot Beds, Cold Frames, Porch Enclosures, Storm Windows and Doors, Many Other Uses.

FLEX-O-GLASS

GUARANTEED TWO FULL YEARS
Most Highly Approved by Authorities
The Leading Window Material

Lets in more healthful ultraviolet rays than other substitutes clear across the spectrum as proved in various authentic tests, and holds in heat better than glass. Absolutely waterproof—extra heavy.

No. 47-720—Flex-O-Glass. 36" wide.
Per sq. yd., wt. 6/10 lb. **\$0.35**

WYR-O-GLASS

Galvanized Wire Base—Very Tough—Highly Transparent

Galvanized $\frac{1}{4}$ " mesh wire base, imbedded in a cushion plastic, before final plastic glass is applied, sealing everything into one solid weatherproof sheet. Very transparent. High in ultraviolet ray transmission.

No. 47-721—Wyr-O-Glass. 36" wide.
Per sq. yd., wt. $\frac{1}{2}$ lb. **\$0.81**

GLASS-O-NET

REINFORCED MESH BASE

Waterproof—Transparent—A Plastic Glass Covered Netting

Made on $\frac{1}{4}$ " mesh waterproofed cords, dyed lightfast green, imbedded in a cushion plastic. Plastic glass then applied to seal everything together into a solid weatherproof sheet. Very transparent. High ultraviolet ray transmission.

No. 47-722—Glass-O-Net. 36" wide.
Per sq. yd., wt. $\frac{1}{2}$ lb. **\$0.57**

SCREEN-GLASS

Fine Mesh Wire Base

Extremely Durable for Long Service

Galvanized wire screen cloth imbedded in a solid sheet of exceptionally clear, waterproof plastic which transmits and diffuses the sun's ultraviolet rays. Holds in heat better than glass. Shatterproof, unbreakable and airtight. As flexible as window screen. Cut with shears and tack up.

No. 47-723—Screen-Glass. 36" wide.
Per sq. ft., wt. 1/6 lb. **\$0.14**

All Prices F. O. B. Quincy, Ill.

Other Styles Not Available

Bag and Case Trucks — Electric Heaters — Wire Brushes

Handy Hand Trucks

Equipped With Easy Rolling
Rubber Wheels

**Maximum Strength—
Minimum Weight**

Will give years of labor and time-saving service. Designed for minimum weight, yet sturdily constructed throughout—all steel, all welded.

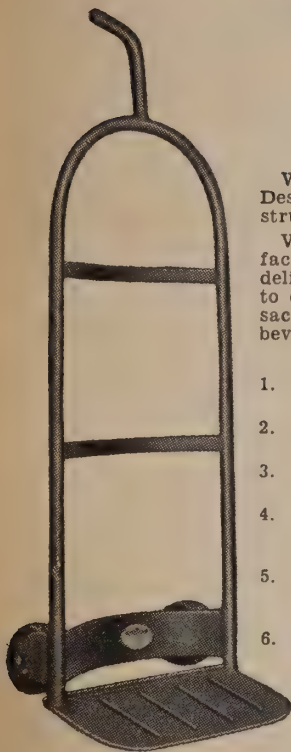
Very useful in hatcheries, poultry farms, dairies, factories, warehouses, feed stores, seed stores, delivery trucks, and for general farm use. Use to quickly move boxes, kegs, cartons, bags, drums, sacks, egg cases, bales of straw or hay, and beverage cases.

FEATURES

1. 1½" OD tubular steel, rigidly electric welded throughout.
2. Special wide noseplate is flanged and ribbed for added strength.
3. Wide bottom band to hold bags and odd size boxes.
4. New principle of caster mounting. Underset casters make possible an overall width of only 15".
5. 5" soft-tread all-solid moulded rubber wheels that will not injure floors. Easy rolling . . . long lasting . . . trouble-free!
6. Light, but strong. Weight, 20 lbs. each.

No. 47-330—Handy Truck, 45" high, 15" wide. Price, each.....**\$13.00**

F. O. B. Quincy, Ill.



General Duty Trucks

The General Duty Truck is constructed of the very best material and will last for years. Will render a lot of profitable service in moving bags and as a general purpose all-around truck for stores, hatcheries, feed mills, etc. Has steam-bent handles of second-growth Vermont oak. All edges have rounded corners to protect bags and other merchandise.

Woodwork is half-strapped, and cross braces are reinforced by a vertical slat. Cross-bar extends over wheel as a protection for bags and other items.

Specifications: Length of handles 46"; width at upper bar of handle 17½"; nose, width 12", length 4½". Wheels 6x1¼"; ⅞" square axles. Weight 29 lbs.

No. 47-646-SB—General Duty Truck with Semi-Steel wheels.....**\$11.03**

No. 47-646-RB—General Duty Truck with rubber-tired steel wheels with roller bearings.....**23.10**

F. O. B. Quincy, Ill.



Long Nose Bag Trucks

This Long Nose Bag Truck (left) is sometimes known as the Minneapolis Bag Truck. Has extra long nose iron and heavy curved, semi-steel covered cross-bar in one piece, which extends over wheels as a protection for bags and other items. We know of no finer or better constructed truck for handling several or more bags, boxes or other items at a time. Wheels are accurately machined and bored, handles and cross braces are second-growth Vermont oak with beveled edges and rounded corners to protect bags and other merchandise.

Wheels have drilled oil holes. Rigid construction of wheels affords protection to the rubber tires. The four sturdy beveled cross braces are reinforced by wide vertical slat.

Specifications: Handles 42" long, width at upper bar 17"; nose, width 12", length 9". Wheels 6x1¼"; axles ⅞" square. Weight 35 lbs.

No. 47-658-AS—Long Nose Bag Truck with Semi-Steel heavy wheels.....**\$14.02**

No. 47-658-AR—Long Nose Bag Truck with rubber-tired steel wheels with roller bearings.....**29.15**

F. O. B. Quincy, Ill.



Wittie Portable Electric Steam Heater

**Comfortable, Clean, Safe
Steam Heat. Portable—Just
Plug In Any Electric Outlet**

Now you can enjoy air-circulated steam heat wherever and whenever you want for only a few cents a day. The new Wittie Portable Electric Steam Heater provides comfortable and healthful warmth, fan-blown from floor to ceiling.

The ideal heater for hard-to-heat places in offices and shops, attic and recreation rooms, sleeping porches, summer cottages. Also very useful for auxiliary heat in bedrooms, bathrooms and nurseries. **SAFE**—no glowing coils, automatic shut-off. **EFFICIENT**—circulates 90 cubic feet per minute. Duo-control turns fan and heat off-and-on intermittently, saves current. **HANDSOME**—luggage styled, finished in baked Hammerloid. **PORTABLE**—small, compact, light in weight—simply plug it into any room outlet. Runs 100 hours with single filling of water.

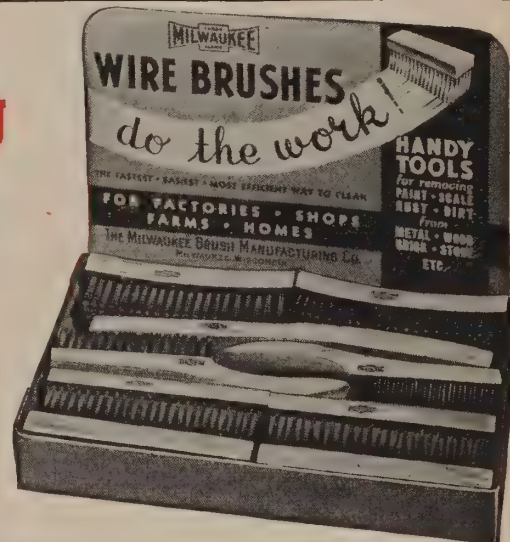
Eight feet of asbestos covered cord. Steel cabinet 22" long, 16½" high, 8" wide. Weight, 32 lbs. Operates on 115 volts A.C. current only. 1000 watts.

No. 47-285—Wittie Portable Electric Steam Heater. Price, each.....**\$47.95**
F. O. B. Quincy, Ill.



Wire Cleaning Brushes

Superior quality wire brushes! 35 years of brush engineering experience have established their outstanding reputation in the field today. Rigid production standards make them correctly designed, longer wearing tools. They work better, save time, reduce cleaning costs.



DOZENS AND DOZENS OF USES

Many uses in brushing and cleaning work in hatcheries and poultry farms, and other industrial applications. A few of their many uses:

Brushing—Feeders and founts, starting, growing and laying batteries, metal parts, fittings, welded joints, pipe threads, tires, tubes, battery terminals, etc.

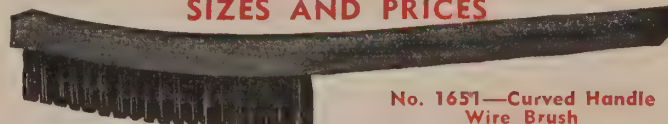
Cleaning—Wire floors, grids, drop pans, small castings, tanks, drums, machinery, tools, meat blocks, ironwork, stone, brick, etc.

Removing—Scale, corrosion, rust, dirt, grease, paint, varnish, floor wax, weld spatter, chips, etc.

SPECIAL FEATURES

Carefully selected, seasoned hardwood blocks with smooth gripping edges. Specially tempered high carbon, fine steel wire in uniformly filled rows. Accurately spaced tufts, and crosswise staple setting permits the individual tufts to reinforce one another. No short wires used—automatic trimming insures an even brushing surface.

SIZES AND PRICES



No. 1651—Curved Handle Wire Brush

No. 47-1611—Straight Back Wire Brush. Round wire, block 7¼x2½" 6x19 rows, 1¼" trim. Weight per dozen, 11 lbs. Price, each....**\$0.45**

No. 47-1632—Curved Back Wire Brush. Round wire, block 7¼x2½" 9x21 rows, 1¼" trim. Weight per dozen, 11 lbs. Price, each....**.65**

No. 47-1641—Shoe Handle Wire Brush. Round wire, block 10x1", 4 rows, 5" long, 1¼" trim. Weight per dozen, 6 lbs. Price, each....**.35**

No. 47-1651—Curved Handle Wire Brush. Round wire, block 14x1", 3 rows 6¼" long, 1¼" trim. Weight per dozen, 7 lbs. Price, each....**.30**

No. 47-1599—Display Assortment of 12 Wire Brushes. Contains 4 No. 1611, 2 No. 1632, 4 No. 1641, 2 No. 1651. Weight, 8 lbs. Price, each.....**5.10**

F. O. B. Quincy, Ill.

BROWER'S 700-LB. LITTLE GIANT

Built For Long Service -

Earn and Save—The Whirlwind Way

Every poultryman, dairyman and general farmer knows the importance of fresh feed, and feeds that contain the right high quality ingredients. By mixing your own feed you get these two big advantages—and at the same time you put the cost of mixing back into your own pocket! (AS MONEY SAVED.)

Your local feed dealer can furnish you a feed concentrate containing the minerals, proteins and trace elements you don't raise. You can mix one of these concentrates with your own home-grown grains, and produce a nutritiously balanced feed for poultry, cattle, hogs or other livestock. Feed formulas are available from various agricultural institutions, and a number of good formulas are furnished with each Mixer.

Mix Your Own Feed—Save Up to \$1.00 Per Bag

Whether you are a dealer mixing feed for resale, or a farmer developing your own feed, you can very profitably own and use a Brower 700-lb. Little Giant Whirlwind Feed Mixer.

In the first place, you will have a feed that perfectly fits your own needs. Different localities have different requirements in regard to various minerals and trace elements, and by having the right proportion of these in every bag of feed, you are making sure that your livestock and poultry are not being "shorted" in regard to some essential ingredients.

Also if you are equipped with a good Hammermill, such as a Brower Whirlwind Model, you can utilize your own home-grown grains and proteins (such as soybeans, alfalfa hay, etc.), in your own home-mixed feed. When you use your own home-grown products there are no freight or processing charges added, and you know the quality going into every bag of feed you produce. You can mix your own feed—including the cost of home-grown grains, purchased concentrates, and power—at a cost of from 50c to \$1.00 per bag less than you can buy a similar complete feed on the market. Think of saving from \$10 to \$20 per ton by mixing your own feed!

Fresh-Mixed Feeds Are More Palatable

Every farmer, poultryman, dairyman or other user of mixed feeds knows that fresh mixed feeds are more palatable than old stale feeds. This is an important factor because it greatly affects farm profits. Poultry, dairy cows and other livestock will eat more fresh mixed palatable feed. Better weight gains are thereby secured in less time, and greater milk and egg production is the result. This increased production means increased profits—and hundreds of dollars saved yearly!

Only 1½c Power Cost Per Mix of 700 Lbs.

All Brower Mixers are designed for economy of operation. Only high-grade bearings are used to insure this result. The Little Giant Mixer when operated with a 1 h.p. motor will mix dairy feeds, laying, starting and growing mash at an average consumption of ¾ k.w. per hour, or approximately 3c per hour.

Figuring at the mixing rate of two batches per hour, you have a power cost of only slightly more than ½c per 100 lbs. of feed at 4c per k.w. Just think, at this rate you can mix 700 lbs. of feed at a power cost of a little over 1½c for the entire batch. This cost fact alone justifies the purchase of this fine Mixer. Remember, that when you do the work of an electric motor by hand, you are working for less than 2c per hour. You must not overlook the fact too, that the Little Giant Feed Mixer gives you a much better mix and this as you know means better feeding results.

Depreciation of equipment is very low as the Little Giant is made to last for years. Normally, depreciation and upkeep should not exceed 2c per day. This would include cost of new belts every two years, also grease and oil, etc. Incidentally, all operating costs should average less than 10c per day with the machine in full-time operation. These are facts, and we know that no man can afford to delay the installation of this Mixer, even if only a moderately large user of feeds.



Illustrating Ease of Filling With New Extension Hopper

Saves Your Back, and Money, Too

Hand mixing is expensive. The Little Giant will not only save your back, but your money as well. Should easily make a saving of 50c to \$1.00 per 100 lbs., which will easily pay for the Mixer in a short time.

Every stock feeder, big or little, should give this Mixer his serious consideration. The Little Giant when equipped with a 1 h.p. motor will handle 700 lbs. at one time of such feeds as laying mash, starting and growing mash, dairy feeds and other feeds of similar bulk, or 350 lbs. of pure concentrates, grains, or other ingredients of similar weight and density. When equipped with a 2 h.p. motor it will handle 700 lbs. of any ingredients. For all 'round mixing we advise the selection of a 2 h.p. motor.

We know of no like amount of money invested, that would make you more money than a Little Giant Mixer. It will be to you, what the washing machine is to your wife. Once you own a Whirlwind Mixer you will never wish to be without it. If you use but 100 lbs. of feed per day, this Mixer should easily pay for itself in five months' time in savings of money alone—not to say anything of improved feeding results from fresher, evened, blended feed, also time and energy saved.

Read What Users Say—Pages 54, 55.

The Little Giant Is Designed For Poultrymen •

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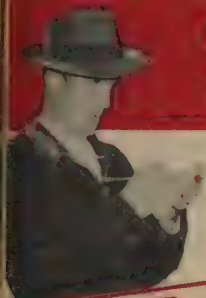
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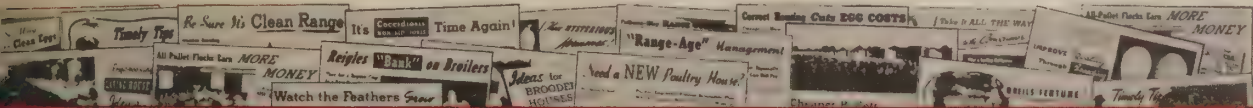
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Whirlwind FEED MIXER

Efficiency - Economy - Utility

Valuable New "Little Giant" Features

The Little Giant Whirlwind Feed Mixer has again been improved for 1947. 16-gauge steel in body—all seams electric-welded gives sturdier construction—1 h.p. or 2 h.p. motor gives increased power and mixing speed. The removable extension Hopper shown at the right enables operator to more easily dump feed ingredients into Hopper. This Hopper can be easily and quickly removed when not needed. When sacking feed the regular Loading Hopper swings back out of the way. This Hopper can be easily raised by hand, allowing lower end of auger to clean out all feed after each batch. The heavy plate glass observation window is conveniently located on side of mixing chamber at eye-level, so that operator can observe blending of mixture.

A new and larger sacking spout has also been added with the same style shut-off as on our large models. 700 lbs. of feed can actually be sacked in 4 minutes' time. Loading can be accomplished in less than 10 minutes. Your time is valuable and you cannot afford to be without this money maker and time saver. The extra saving you make should soon pay cost of mixer.

How the "Little Giant" Operates

Mixes all kinds of dry feed, grain and grass seed. Requires only five to ten minutes to thoroughly mix a 700-lb. batch—is used by feed dealers, seedsmen, dairy farmers and large poultry and stock feeders for mixing 100 to 700-lb. batches of dry grains, seeds of all kinds, whole grains and grains finely or coarsely ground.

The principle is not to stir or tumble the mixture, but to whirl the ingredients in the mixing chamber as shown in the illustration on page 55. Ingredients are loaded into hopper at bottom. Vertical screw conveyor revolves rapidly—lifting ingredients to top where mixing paddle whirls particles to the walls of mixing chamber—and falling to the bottom, is elevated and whirled again and again. The result is a thorough and evenly blended mixture of all ingredients in five to ten minutes.

First start motor and then all you need to do is dump ingredients into hopper. No pre-mixing needed. In less than five minutes your mixture will appear in the observation glass as a uniform mass, and you are ready to swing the Loading Hopper to one side, where it is out of your way while sacking. Illustrations on opposite page show both loading and sacking operations.

Attach sack over lower flanges of Sacker Spout and pull out spout slide. When sack is full merely push slide back into place. In mixing, you can if you so desire, allow mixture to partially escape through spout into Loading Hopper to speed up mix—but this is not necessary. When through mixing one batch, lift hopper, and allow auger to clean out remaining feed as shown at lower right.

How the "Little Giant" Is Built

The three large sturdy legs are of 2" x 2" x 1/4" heavy angle steel supplying a three-point sturdy suspension, causing mixer to sit firmly. These legs are attached to mixing drum by means of heavy bolts and then braced diagonally for added rigidity.

The floor space actually occupied is a triangular space 3 ft. x 3 ft. x 3 ft. Entire Mixing Drum is made of 16-gauge steel with Electrically-Welded Side Seams to render it dustproof.

Top of mixer is fastened on by means of bolts and is removable. Two heavy steel angles support top and also upper Bronze Bearing. Lower Ball Bearing is a high-grade thrust type. Both bearings have convenient lubrication facilities. See view upper righthand corner.

Conveyor Auger is 7 1/2" in diameter and revolves within an 8" housing or tube. A cast-iron sleeve securely connects lower part of drum to auger tube. Lower Ball Bearing is securely seated in a heavy casting block—in turn bolted to base to assure continued alignment.

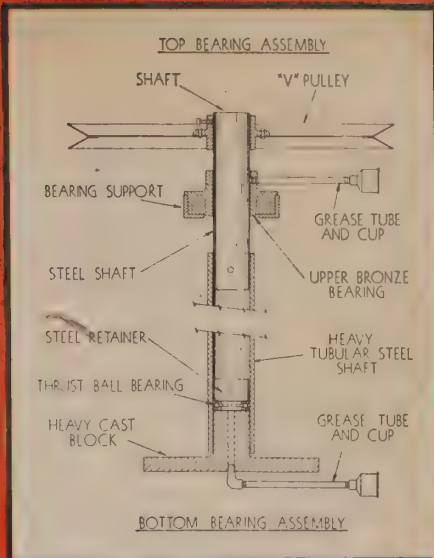
Lower grease cup is shown at top right. Four bolt holes are provided for bolting Mixer Base to floor. The 1/4" thick observation glass, illustrated at right is cemented into place and then bolted to insure a tight fit.

The large square Sacker Spout is welded and riveted to drum, and is made of 16-gauge steel. Sack-holding flanges are provided and spout closure is easily operated with one hand. Extension hopper permits easy filling.

Auger Shaft diameter 1 1/2". Two Auger Shaft Pulleys, "V" type, 12" diameter. Two motor pulleys and two heavy-duty "V" Belts included. The motor offered is optionally 1 or 2 h.p. as ordered and of the brush lifting, single or three phase, repulsion start, induction type with Ball Bearings—Speed 1750 R.P.M.

Measurements: Over-all height 7 ft. 11 1/2 in., Sacker Spout to Floor 2 ft. 7 in., and diameter of Mixing Chamber 3 ft. 3 1/2 in.

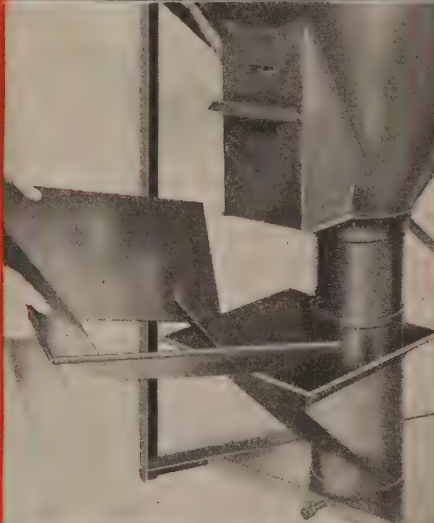
Drawing at right illustrates top and bottom bearing assembly — "V" Pulley — and grease cup arrangement.



Glass observation window at eye level permits inspection of mixed feed.



Extension Hopper easily placed in position—Makes loading easier and faster.



To clean out Mixer just raise the loading hopper while Mixer is running — Cleaning is automatic.



Specifications and Prices

No.	Price F.O.B. Quincy, Ill.
47-1700V—700 lb. Mixer, V-Belt drive, less motor.....	450 lbs. \$149.50
47-1HPS—1 h.p. Single Phase Motor, 110-220 Volt, 50-60 Cycle A.C.	80 lbs. 62.00
47-2HPS—2 h.p. Single Phase Motor, 110-220 Volt, 50-60 Cycle A.C.	165 lbs. 102.00
47-2HPT—2 h.p. Three Phase Motor, 220-440 Volt, 50-60 Cycle A.C.	150 lbs. 69.00

Dairymen • Farmers • Feed Dealers • Seedsmen

BROWER'S GIANT

Below-the-Floor Models

2000-Lb. and 3000-Lb. Capacities

The Giant Whirlwind—Large Capacity—Fast—Thorough

Here is the Feed Mixer you have been waiting for! The Giant Mixer will mix all kinds of ground feeds and grains quickly—uniformly—at LOW COST! Only ten minutes is required for a thorough blend after the last of the batch is put into the charging hopper. It is possible to mix at the rate of 16 tons of feed in a ton size—18 tons in a 1½-ton size in an eight-hour day.

The use of Brower's Giant Whirlwind Feed Mixer not only places you in a position to mix and sell your own brand of feed at a saving to your customer with a greater profit to yourself, but in addition you can make **extra profits** doing custom mixing. Dairymen, poultrymen, hog raisers, and other feeders desire a thoroughly mixed feed in preference to feed mixed by hand, because the even blend helps increase production of milk, pork, or eggs. Also, cattle, hogs and other animals fatten and mature in less time.

Should Earn Up to \$1.00 Per Bag Profit

Home-grown grains can be mixed with a good commercial concentrate or supplement or other ingredients as called for by your formula. The result—you make your own brand of feed—freshly mixed—containing the best of food ingredients for the particular livestock to be fed. The home-grown grains come direct from the farm to you—you buy the concentrate from a good commercial mill. Your total cost of a 100-lb. bag of ordinary poultry or dairy feed should not be over \$2.25-\$2.50. You sell your own brand for \$3.00 to \$3.50 per bag or more, making 50c to \$1.00 per bag. Worth while considering, isn't it? If possible every feed dealer should install a Brower Feed Mixer.

Whirlwinds Are Built for Long Life (See Sectional Views)

Mixing Drum, Conveyor Tube and Hopper constructed throughout of high-grade 16-gauge steel to insure long life. All seams are securely electric-welded and dustproof. The frame is exceptionally rigid, being built of heavy steel angle legs 2" x 2" x ¼", braces 1" x 1" x ⅛". Will give years of rugged service. Outside surface of Mixer finished in red, trimmed yellow. Ton-size Mixers and larger are equipped with New Service Door.

The Below-the-Floor Model

Brower's below-the-floor Giant Whirlwind Mixer is recommended where a large volume of feed is to be handled. The top of Charging Hopper is at floor level. Bags of feed and ingredients are easily dumped into mixer. You can easily and quickly remove all feed remaining at bottom of conveyor sleeve. All-steel floor grill over hopper. All Giant Mixers have the New 12" Conveyor Augers for greater mixing speed. This means a saving in mixing time with lowered production costs—hence an opportunity to increase profits.



No. 2935V
2,000 Lb.
Capacity

Prices and Specifications — 2,000-Lb. Giant Whirlwind Mixers

Prices on Above-the-Floor and Below-the-Floor Models

Cat. No.	Description	Ship. Wt.	Price
47-2935V	—2000 lb. Below-Floor model, V-Belt.....	990 lbs.	\$362.30
47-2935F	—2000 lb. Below-Floor model, Flat Belt.....	1020 lbs.	\$350.20
47-2934V	—2000 lb. Above-Floor model, V-Belt.....	865 lbs.	\$326.00
47-2934F	—2000 lb. Above-Floor model, Flat Belt.....	900 lbs.	\$314.00
47-5HPS	—5 h.p. Single Phase Motor, 110-220 Volt, 50-60 Cycle A. C.....	310 lbs.	\$189.00
47-5HPT	—5 h.p. Three Phase Motor, 220-440 Volt, 50-60 Cycle A. C.....	195 lbs.	\$92.00

F. O. B. Quincy, Ill.

Starting Switches also available—write for folder giving full information and prices.

Standard equipment includes one 4-Groove 3" pitch "V" type Pulley with 1½" bore for 5 H.P. Motor, and one large pulley attached to top of conveyor shaft—also four "V" Belts. Pulleys and Belts are furnished whether ordered with or without Motor. Sacker Spout 31" from Floor—12" diameter Conveyor Auger. Motor Speed 1750 R.P.M.—Conveyor Speed 400 R.P.M.

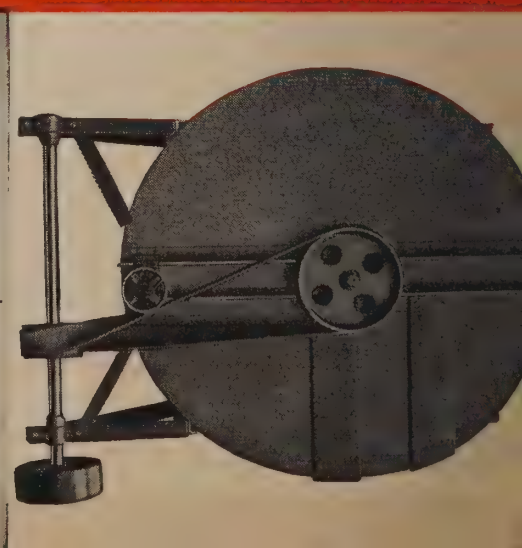
Measurements: Below-Floor Model—overall length 12 ft. 5½ in., floor space at base 4 ft. x 4 ft. Above-Floor Model—overall height 9 ft. 3½ in., floor space at base 3 ft. 8 in. x 3 ft. 8 in. Hopper height 31 in. or 41 in., and diameter mixing chamber 5 ft. 1 in. Pit size for Below-Floor Models—3 ft. 9 in. wide, 3 ft. 9 in. long, 2 ft. 2 in. deep.

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Below-Floor Construction

Hinged Service Door and Hinged Conveyor Sleeve

Jack Shaft and Pulleys for Flat-Belt Drive



Whirlwind FEED MIXERS

Above-the-Floor Models

Mixes Large or Small Batches

The "Giant Whirlwind" is built for big capacity—but it is also suitable for small batch mixing. The ton size has a capacity of 2,000 lbs. mash—the 1½-ton, 3,000 lbs.—and on scratch and similar feeds much more. Small batches of feed in any amount—as little as 100 lbs.—can be mixed with equal ease and an even blend. In addition to the mixing of all grains, mashes, poultry and stock feeds, this Mixer will also handle many kinds of dry ingredients which are to be blended for fertilizer and spraying.

For full capacity operation of the ton Mixer, we recommend a 5 h.p. Motor. A 5 h.p. or a 7½ h.p. Motor is best for the 1½-ton Super-Giant Mixer.

The Whirlwind Mixing Principle, How It Works

Illustration at right shows working parts of Brower's Giant Whirlwind Above-the-Floor Model Feed Mixer. The principle of not stirring or tumbling the mixture, but whirling the various ingredients in the mixing chamber, is the same as in other size Whirlwind Mixers. The large 12-in. Vertical Screw Conveyor revolves rapidly, lifts the feed to the top where the mixing paddle whirls it to the outside of the mixing chamber. From there it falls to the bottom, and the process is repeated again and again in the 10 minutes it takes to thoroughly mix a ton of feed. This permits an unusually thorough mix—it means that the feed will contain the proper ingredients in the proper proportion, and likewise every sack will have the same even blend. Convenient eye-level observation window shows clearly the exact conditions of blend.

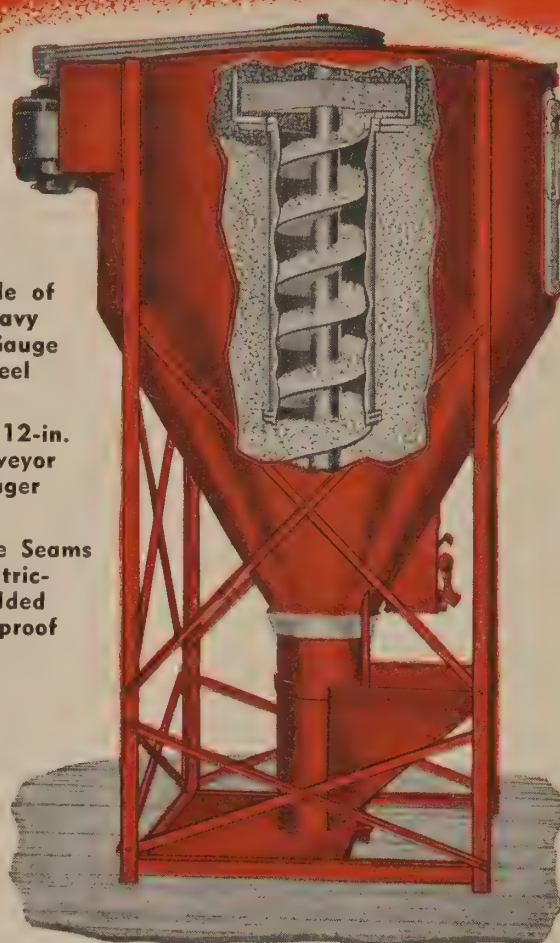
Charging hopper pivots around lower Conveyor Sleeve, giving easy access to Sacker and Draw-Off Spout. May be swung directly under the bag spout and feed allowed to run, through the Charging Hopper, back into mixing chamber, making a continuous flow. When adding a few pounds of some special ingredient to a batch of ready-mixed feed, this is an especially valuable feature and one that is not to be found on some other types. After all of a mix has been sacked, the hopper may be easily raised six inches by hand, exposing the screw conveyor and allowing the mixer to clean itself in a few seconds' running.

The Above-the-Floor Model

The illustration at right shows our No. 2934-V Ton-size Feed Mixer with new 12-in. auger and above-the-floor charging hopper. Illustrations at lower right show loading hopper—air pressure relief tube—Sacker and how Sacker operates.

Jack Shaft and Flat Belt Drive

Any Giant Mixer can be furnished with Jack Shaft, Endless Belt and a 4-in. face Pulley as illustrated, lower right of opposite page. Customer to furnish drive belt.



No. 2934-V
2,000 Lb.
Above-the-Floor
Mixer

Made of
Heavy
16-Gauge
Steel

New 12-in.
Conveyor
Auger

All Side Seams
Electric-
Welded
Dustproof

Over 6,000
Brower
Whirlwind
Feed Mixers
in Use in the
U. S. and
Foreign
Countries!

Feed Draw-Off Spout 31 in. or 41 in.

Sacking Equipment 31 in. above-the-floor as illustrated lower right, is standard on all Giant Feed Mixers. A Draw-off Spout 41 in. above the floor is optional, but must be specified. The 41 in. draw-off is recommended only for Dairymen and others who load the mixed feed directly into a cart or truck instead of bagging.

Prices and Specifications — 3,000-Lb. Super-Giant Whirlwind Mixers

Prices on Above-the-Floor and Below-the-Floor Models

Cat. No.	Description	Shipping Weight	Price
47-3835V	—3000 lb. Below-Floor, V-Belt.....	1300 lbs.	\$434.70
47-3835F	—3000 lb. Below-Floor, Flat Belt.....	1330 lbs.	422.60
47-3834V	—3000 lb. Above-Floor, V-Belt.....	1150 lbs.	398.50
47-3834F	—3000 lb. Above-Floor, Flat Belt.....	1180 lbs.	386.40
47-5HPS	—5 h.p. Single Phase Motor, 110-220 Volt, 50-60 Cycle, A. C.....	310 lbs.	189.00
47-5HPT	—5 h.p. Three Phase Motor, 220-440 Volt, 50-60 Cycle, A. C.....	195 lbs.	92.00
47-7HPS	—7½ h.p. Single Phase Motor, 110-220 Volt, 50-60 Cycle, A. C.....	600 lbs.	266.00
47-7HPT	—7½ h.p. Three Phase Motor, 220-440 Volt, 50-60 Cycle, A. C.....	280 lbs.	120.00

F. O. B. Quincy, Ill. Separate folder and price list on starting switches will be sent on request.

Standard equipment includes one 4-Groove 3" pitch "V" type Pulley with 1½" bore for 5 H.P. Motor or 1¼" bore for 7½ H.P. Motor, and one large pulley attached to top of conveyor shaft. Also four "V" Belts. Pulleys and Belts are furnished whether ordered with or without Motor. Sacker Spout 31" from Floor—12" diameter Conveyor Auger. Motor Speed 1750 R.P.M.—Conveyor Speed 400 R.P.M.

Measurements: Below-Floor Model—overall height 14 ft. 4½ in., height above floor 11 ft. 2½ in., floor space at base 4 ft. x 4 ft. Diameter of Mixing Chamber 5 ft. 1 in. Above-Floor Model—overall height 11 ft. 2½ in., floor space at base 3 ft. 8 in. x 3 ft. 8 in. Hopper height 31 in. or 41 in., and diameter of Mixing Chamber 5 ft. 1 in. Pit size for Below-Floor Models 3 ft. 10 in. wide, 3 ft. 10 in. long, 2 ft. 2 in. deep.

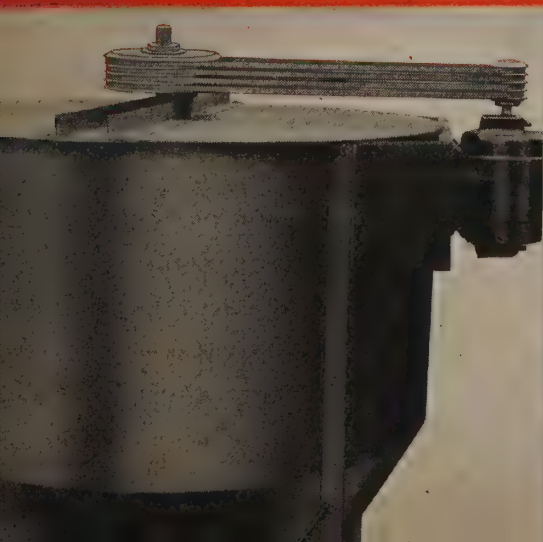
[53]

"V" Belt Power Drive

All Seams Electric-Welded

Loading Hopper-Sacker

Sacker in Operation



BROWER Users speak



From Feed Dealers, Poultrymen and Turkey Raisers, Mixing Their Own Brands, Doing Custom Mixing,

1 "Saved Considerable in Labor and Wasted Feed."

Says H. L. Rietman of Pleasant Valley Feed Store at Amarillo, Texas: "Our 'Giant Whirlwind' Mixer is more than satisfactory. We are pleased with its performance. 'Not only does it mix all kinds of feeds (for we use it on all kinds of mixtures), but it has saved us considerable in labor and wasted feed, over the old method. And, it does a perfect job of mixing under all conditions."

"The enclosed photo shows installation of Mixer, also a few sacks of feed made with it." See view 1 of Mr. Rietman's installation at the upper left.

2 "Giant Whirlwind, One of the Best Mixers Made."

"Regarding the 'Giant Whirlwind' Feed Mixer I purchased from you, I think it is one of the best mixers made. It is very economical to operate and does a better mixing job than any other machine I ever owned or operated. I am sending a picture of the Mixer installed in our feed sales room for use in your catalog."

Very truly yours, Riewe's Grinding Station,
By R. A. Riewe, Hamilton, Texas.

See view 2 of Mr. Riewe's Mixer at the center left.

3 "Has Paid for Itself Many Times Over."

J. O. Coombs & Son, internationally known Kansas breeder of Single Comb White Leghorns, says:

"We have been using a Brower Feed Mixer for nearly 10 years and it has paid for itself many, many times over. More recently when we built a new, up-to-date, modern elevator and feed building we installed Brower Whirlwind Mixers and Brower Hammer-mills, and they have performed equally as well as the old mixer."

"I don't know what we would have done the past two years without this equipment." Very truly yours, Eustace Coombs.

In view 3 below, Mr. Coombs' son bags a finished batch of completely mixed feed.

4 Whirlwind Mixer Helps Hatchery and Feed Store Make Real Profits.

"Without a doubt our 'Giant Whirlwind' Mixer has been one of the best investments we have ever made in the way of equipment. In fact, it saved our business. We were able to make more profit when we began manufacturing our own feed. We made a good feed and it went over with a bang!"

Smith's Hatchery and Feed Store, El Paso, Texas.

See the Smith Mixer installation at the lower center.

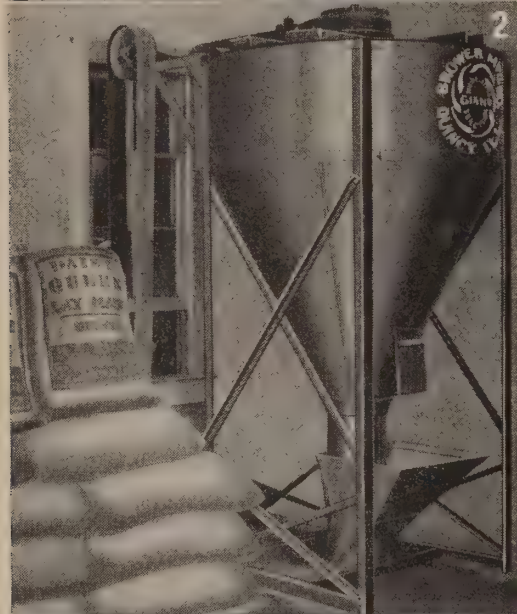
5 "Gives Perfect Mix in 15 Brands of Feed."

Writes C. E. Roco of the Hou-Tex Grain Company of Houston, Texas: "I am writing you to tell you of our experience with your 2,000-pound Feed Mixer we purchased from you two years ago. This mixer has been the salvation of our business. We did not think feed could be mixed in this type mixer, but will say it gives a perfect mix in all of our feeds. We mix fifteen brands of feed under our trade name, Hou-Tex. We also find this mixer will handle molasses in dairy feeds, if the molasses is mixed in another feed before putting it in the mixer."

"When we sell to a new customer we take him back to our Brower Mixer and show him the operation of the Mixer so he can see he is getting a perfectly mixed feed. We also mix grains for scratch feed. After the grains are mixed we let the grains run back into the mixer and set a fan about three feet in front of the flow of grain and clean them perfectly. We also clean seeds, oats, etc., this way. Would not sell this mixer at any price if we could not replace it."

See view 5, lower right.

Yours truly, C. S. Roco.



from Experience:

Dairymen, Hatcherymen and General Farmers And Mixing Their Own Poultry and Dairy Feeds

"Savings of About \$15 Per Week"—6,000 Chickens.

View 6, lower left, shows Tony Cirrone's Giant Whirlwind Feed Mixer, located at Santa Cruz, California. Read what Mr. Cirrone has to say:

"I am more than pleased with my 'Giant Whirlwind' Feed Mixer. My savings since I have installed this mixer have been about \$15.00 per week, or \$5.00 per ton. I have six thousand chickens to take care of. Again, I wish to say I am well pleased with everything. Sorry I did not install the Mixer sooner."

Mixing for 200 Cows—2,500 Turkeys—3,000 Laying Hens—300 Hogs.

The Arkansas State Hospital Farm at Benton, Arkansas, is using a one-ton Whirlwind at the Dairy Barn, and a ½-ton size at the Poultry House. They mix feed for 200 head dairy cattle, 2,500 turkeys, 3,000 laying hens and 300 hogs. See illustration 7, lower center.

"Saves \$15 or More per Ton," Says Sullivan.

Harold Sullivan operates a Poultry Farm at Bryant, Arkansas. Has 2,100 Leg-horns and 4,500 Broilers and mixes his feed with a 700-lb. Little Giant Whirlwind. See illustration, lower right. On a recent visit to the farm, Mr. Sullivan said:

"The Brower Mixer has paid for itself several times over on the feed I use for my own farm. It has more than paid for itself on feeds that I mix and sell to my neighbors. I would not care to be in the poultry business without such a mixer. I save \$15.00 or more per ton on my feeds by using your machine."

His father also operates a Brower Whirlwind at the Wonderstate Hatchery and Egg Farm, Bryant, Arkansas. See view 8, lower right.

1½-Ton Mixer Has Mixed 20 Tons of Feed in Eight Hours for 1,200 Cows.

George De Vries of Norwalk, California, is using a No. 3834V above-the-floor model Super Giant Whirlwind to mix feed for his 1,200 dairy cows. He says:

"One man has mixed as much as 20 tons of feed in eight hours." His mixer installation is illustrated as view 9, right center.

"One of the Best Investments I Have Ever Made in Equipment."

"Gentlemen: I am more than pleased with my No. 2934V Ton-size Brower 'Giant Whirlwind' Feed Mixer.

"It is one of the best investments I have ever made in the way of equipment. My butterfat test increased three points after I started using the mixer, although the same ingredients were used as formerly.

"It is more sanitary, is easy to operate and will eliminate many of the troublesome conditions which have been caused from improper mixing of the feed. I can truly say that Brower's 'Whirlwind Feed Mixer' will actually pay for itself in a very short time."

Yours very truly, Harm Knevelbaard, Bellflower, Calif.

See view 10 at upper right.



Let a BROWER WHIRLWIND Help You, Too,
Make GREATER Mixed Feed PROFITS

BROWER HAMMERMILLS

Designed for Efficient and Economical Feed Grinding

Install one of these rugged and efficient mills to augment your Feed Mixer savings or profits. Remember "Fresh Ground Feed" is much more profitable and nutritious than old stale feed. So do not fail to take advantage of the increased profits that result from the use of Fresh Ground Feed. There is only one way to accomplish this

and that is by frequent Grinding and Mixing. A good efficient Mill right on the job is therefore necessary in your operation plan. Brower Hammermills are designed to fill the needs perfectly up to the following capacities based on a $\frac{1}{4}$ " screen. The capacity is of course greater with larger screen and less with the finer screens.

Capacities Per Hour— $\frac{1}{4}$ " Screens

No. 2BHM Mill—Shelled Corn, 1,500 lbs.; Oats, 1,000; Ear Corn, 1,200; Alfalfa, 350; Fodder (ears), 400.

No. 1BHM Mill—Shelled Corn, 1,000 lbs.; Oats, 550; Ear Corn, 600; Alfalfa, 175; Fodder (ears), 300.

With $\frac{3}{4}$ " screens the capacities are about 60 per cent greater than given above. With $\frac{1}{8}$ " screens about 40 per cent lower, etc.

The Brower Hammermill is designed to meet present-day requirements for a machine with low first cost, requiring a low priced power unit to operate, consuming low power and needing the least possible amount of floor space, together with facility

to give a maximum capacity and uniform product at lowest possible cost for power and labor.

Two size mills are available. The No. 1 Mill is recommended for light grinding requirements and the No. 2 Mill for heavy grinding requirements. We will gladly mail you complete details concerning the operating capacity of each mill for various types of grain, ear corn, alfalfa, etc.

Prices

No. 47-1BHM Mill with blower, dust arrestor, V-belt drive, motor bracket, and 1" bore motor pulley, less motor. Weight, 150 lbs.	Price.....	\$ 87.50
No. 47-2BHM Mill with blower, dust arrestor, V-belt drive, motor bracket, and 1" bore motor pulley, less motor. Weight, 200 lbs.	Price.....	121.50
Three Horse Power, single phase, 110-volt, 60-cycle Century Motor. Weight, 200 lbs.	Price	129.00

All prices F. O. B. Quincy, Ill.

BROWER'S All-Purpose Feed Trucks



The Value of Time Feed Trucks Save, Soon Pays Their Cost!



DO THE WORK OF TEN MEN

Feed Truck With All Steel Body

Save time, labor and money with this strong, rigid feed truck. One trip will do the work of ten men in hand feeding, with the back-breaking toil eliminated. Rolls easily, in and out of aisles and pens. Prevents feed waste. Smooth interior for quick emptying and cleaning—no cracks in which feed can spoil—no uneven surfaces to catch on feed shovel.

CONSTRUCTION—heavy gauge copper bearing steel with heavy angle and channel iron frame, electric welded, reinforced for greatest strength, finished in gray enamel. Pneumatic tires on pressed steel wheels with roller bearings. Zero pressure, puncture proof type tires. Size—68½" long, 24" wide, 24" deep. Holds approximately 16 bushels. Shipping weight 170 lbs.

No. 47-695—Feed Truck. Price each, K.D.....\$68.00
F. O. B. Quincy, Ill.

All Purpose Feed Truck With Removable Feed Body

All steel feed body on durable truck chassis. Steel body and platform interchangeable. Gives you complete hauling equipment. Dozens of uses around poultry or general farms, hatcheries, feed stores, dairies, factories, warehouses, etc.—haul bulk feed, litter, sacked feed, seeds, milk cans, egg cases, crates, boxes or general merchandise with unusual ease.

CONSTRUCTION—heavy gauge copper bearing galvanized steel with heavy angle and channel iron frame, reinforced and electric welded, finished in gray enamel. Pneumatic type, puncture proof tires on pressed steel wheels with roller bearings. Wheel diam. 12 in., 12 x 3.00 size tires. Over-all size 68½ in. long, 24 in. wide, 24 in. deep. Holds about 16 bu.

No. 47-684—All-Purpose Feed Truck with Feed Body and Platform. Shipping wt., 222 lbs. Price, each.....\$96.60

No. 47-688—All-Purpose Feed Truck with Platform only. Shipping wt., 102 lbs. Price, each..... 56.60

No. 47-696—All-Purpose Feed Truck with Feed Body only. Shipping wt., 182 lbs. Price, each.. 90.00
F. O. B. Quincy, Ill.

Highly Useful Around Poultry Or General Farms, Hatcheries, Feed Stores, Dairies, Factories, Warehouses, Etc.



MILCOR PICK-UP CART It's Big-It's Strong-It's Sturdy

Value of Labor and Time It Saves Soon Pays Its Cost

1. Sturdily constructed of heavy-gauge sheet steel.
2. Designed to distribute load evenly; eliminate strain on arms or back of user.
3. Tilts forward to ground so that debris can be raked in and heavy objects rolled or pushed in without lifting.
4. Stands upright on two heavy channel-iron legs without tipping load.

Dozens of Uses All Year 'Round

The Milcor Pick-Up Cart is so handy that its uses are practically unlimited. Whenever there is a quick job to be done, this sturdy helper is on the job to do the hard part of the work—as easily by women and children as by men—with no stooping . . . no back aches . . . no lifting . . . no strain.

Tilts forward to ground or floor so feed, litter, dirt, grass, etc., can be raked in, or heavy objects pushed or rolled in without tipping load.

Used by poultrymen, stock raisers, gardeners, householders, stores, factories, etc. Everyone can use it. Fine for hauling feed in broiler

plants, hatcheries, feed stores, butcher shops, grocery and hardware stores, etc. Will hold 100 pounds of grain or mash.

Specifications: Top opening—18"x27", capacity—2¾ cubic feet. Body sides beaded for strength. 1½" wide solid rubber tires. One-piece tubular handle. Beaded wheel and beaded nickel-plated hub cap. Wheel diameter, 10". Body painted green; wheels, undercarriage and handle painted orange.

No. 47-219—Milcor Pick-Up Cart. Shipping weight 24 pounds.

Price, each **\$6.90**

F. O. B. Quincy, Ill.

*You'll appreciate
the way it's built*

All painted surfaces have Baked Enamel Finish. Parts are conveyed through an enamel bath, agitated to assure a smooth, even coat. The finish is then baked on at high temperature.

All-Steel Tubular Handle. Weather-proof. No warping. No splinters. Increases rigidity of body.

The combination stands and axle supports provide the framework for a strong, durable undercarriage. Made of precision stamped channel iron.

Speed Nuts are used at ALL points of assembly. Compression of the arch in prongs and base prevent vibration loosening.

Two channel iron stands give complete stability when cart is standing. Stand bars are flat on the outside—won't mar floors.

Wheels beaded for strength and attractiveness. Wide 1½" solid rubber tires protect floors and lawns. Bright plated hub caps snap into place.

Body is double-seamed for strength and durability. Side and bottom sections overlap and are forced together under pressure to form a tight inseparable unit.

Body sides are fluted for strength and appearance. Body is tapered in at sides for quick, clean unloading.

A strong round steel bead reinforces the curled sheet steel edge of the body all around the top.

Minute Man Automatic Fire Alarms

Protect Your Investment From Losses Caused By Fire

Why take chances of needless losses of brooders, brooder houses and valuable chicks through fires? Minute Man alarms protect poultrymen and hatcherymen from losses caused by fires originating in brooders or incubators from overheating, poor wiring, spilled fuel, lightning, or any one of the other hundreds of causes of fire. Very useful on all farms, commercial establishments, schools, stores, public buildings, factories, etc.

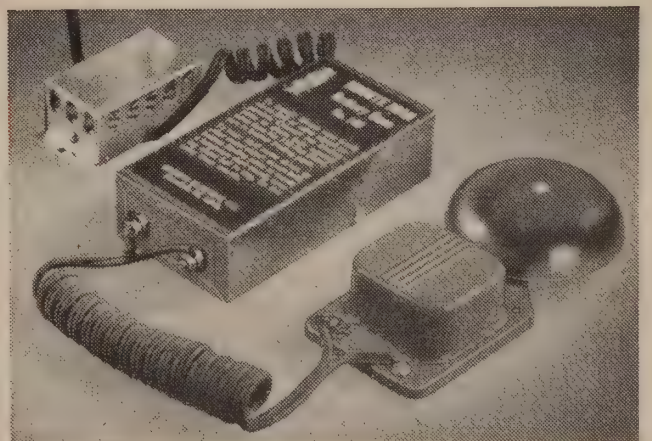
How It Operates: When temperature rises to 127° F., indicating existence of fire, or danger of fire, thermostat in unit automatically closes electrical circuit and alarm bell sounds warning. The alarm signal will continue for hours, or until temperature cools below 127°. When temperature drops below 127°, thermostat automatically resets itself. Dependable and fool-proof. Being entirely self-contained, is not affected by conditions of power lines, transformers or other mechanical devices that might get out of order. Easily installed, no permits, approvals, or special mechanics required. Low cost—maintaining an entire installation amounts to about 20 cents a year.

PRICE AND DESCRIPTION

No. 47-130—Fire Detector. (One needed for each brooder house or fire danger location.) Size, 1½x2½x1¼". Weight, 3¾ oz. Price, each **\$4.45**

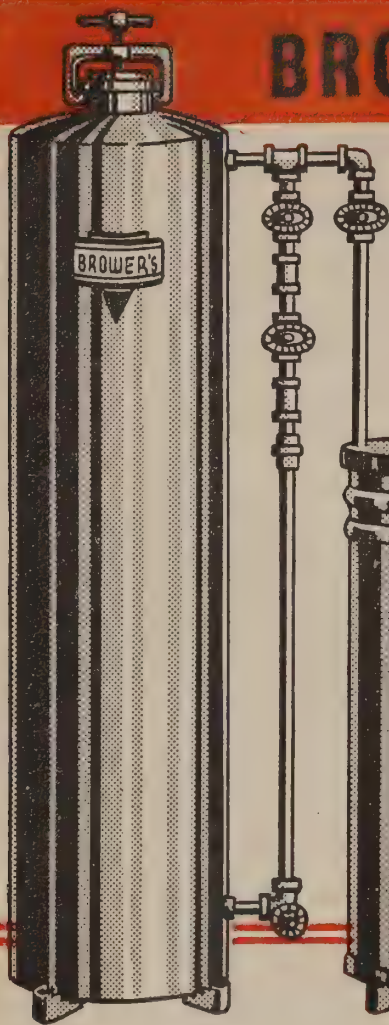
No. 47-129—Battery Case. (Includes set of four 1½-volt D.C. batteries.) Weight, 20½ oz. Price, each **2.25**

No. 47-137—3-Inch Liberty Alarm Bell. Weight, 8½ oz. Price, each **.85**
F. O. B. Quincy, Ill.



From left: Fire Detector, Battery Case, 3-Inch Alarm Bell

BROWER'S NEW WATER CONDITIONERS



Save Soap, Make Fabrics Last Longer Speed a Thousand Tasks Around the Home

Brower Water Softeners and Iron Removal Filters give you the joys and economies of clean, soft water, free from iron. Enjoy billowy suds in your bath, shaving, shampooing, washing, and cleaning. Prevent milkstone in your milking machine. An investment that will pay for itself many times over.

ECONOMY MODEL—One Tank

Model 47- 511—Capacity 28,000 grains.....	\$106.26
Model 47- 561—Capacity 43,000 grains.....	137.06

STANDARD BRINE TANK MODEL

Model 47-B511—Capacity 28,000 grains.....	\$124.74
Model 47-B561—Capacity 43,000 grains.....	155.54
Model 47-B591—Capacity 53,000 grains.....	198.66

COMBINATION SOFTENER AND IRON REMOVAL FILTER

Model 47- 200—Capacity 38,000 grains.....	\$154.00
Model 47- 300—Capacity 58,000 grains.....	200.20
Model 47- 400—Capacity 78,000 grains.....	246.40

For continued good service: flush with salt at regular intervals.

FREE WATER ANALYSIS

Send one pint sample of water to be conditioned, tell us how many people are to use the water, and we will recommend the best unit for the purpose.

BACON HAND CULTIVATORS, SNOW SCOOTERS, ETC.

New Type Cultivator—Does Your Garden Work Easier and Faster

With a Bacon Hand Cultivator, cultivating, hoeing and hilling is no longer a slow, hard, back-breaking job. You can do as much and better work in your garden in a few minutes as it would take you hours to accomplish the old way. Quick, easy work, with only a fraction of the effort.

This cultivator is designed for all-season use. When the plants are small it can be used with two wheels, working both sides of the row in one operation. Later, when plants are taller, it can be used with one wheel, working a strip 9 inches wide between the rows. Can be used for harvesting—digging up such crops as onions, beets and carrots.

Meets Every Garden Need

Cultivating, hoeing and furrowing attachments are furnished complete with each cultivator—thereby combining in a single machine all the tools necessary for the proper cultivation of a garden. Easily adjustable for deep or shallow cultivation. In hoeing, the soil can be thrown toward or away from growing plants by simply moving the hoe attachment from one side of the tool to the other.

Other Outstanding Features and Advantages

Light in weight—only 16 pounds. Easier to push and control.

Low wheels—only 9 inches in diameter, mean more accurate control. Rim is ribbed for strength and rigidity.

Narrow teeth work up soil very finely. Permit closer cultivation to eliminate most hand weeding, and never pick up clods as wide teeth do.

Curved edge hoe—edge of hoe next to row is bent upwards so that soil is not scooped away from plant to expose roots.

Elliptic edge plow—unexcelled for furrowing and hilling.

Adjustable handles—can be made any desired width from 9 inches to 30 inches. Made of tubular steel. Strong, yet light in weight.

All-steel construction—all parts protected against rust and corrosion by special plating treatment.

No. 47-6—Bacon Hand Cultivator complete with attachments (7 teeth, 2 hoes, 1 right plow and 2 leaf lifters). Shipping weight 19½ lbs. Price each.....\$12.95

F. O. B. Quincy, Ill.

Bacon Snow Scooters

Clean the snow off your sidewalks this easier way, in but a few minutes. No stooping—no backaches. Just roll the Scooter along and it scoops up the snow and shovels it off to one side. Cleans a strip 21 inches wide. All steel, rust-proofed.

No. 47-216—Snow Scooter, rubber tires. Shipping weight, 19 lbs. Price, each.....\$9.95

F. O. B. Quincy, Ill.

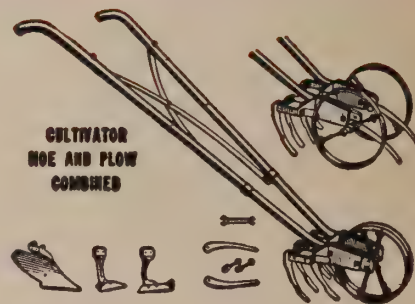
EXTRA ATTACHMENTS AVAILABLE FOR BACON CULTIVATORS AND SNOW SCOOTERS

No. 47-9—Attachment for converting Snow Scooter into Cultivator. Shipping weight, 6 lbs. Price each.....\$5.25

No. 47-26—Attachment for converting Cultivator into Snow Scooter. Shipping weight, 9 lbs. Price, each.....\$4.95

F. O. B. Quincy, Ill.

Write for special circular and prices, describing Hill and Drill Seeder and Carry-All Attachments that can also be purchased for Bacon Cultivators and Snow Scooters.



Above—No. 47-6
Hand Cultivator

Left—No. 47-216
Bacon Snow
Scooter



BROWER'S KER-O-KIL

Flame-Thrower

All-Purpose Weed Burner and Disinfecting Torch

HUNDREDS OF DIFFERENT USES . . .

SAFE, FAST, EFFICIENT!

Thousands in use! Hundreds of different uses! Brower's Ker-O-Kil Flame Throwers are useful in summer, fall, winter and spring. Very quick, economical and practical. Can't be beat for disinfecting, as it kills all germs, worm eggs, mites and lice. Also, kills green weeds, seeds and all. Much better than cutting or mowing.

Kills Both Annual and Perennial Weeds

Destroys both annual and perennial weeds including Johnson Grass, Bermuda, Vines, Morning Glory, White Top, Thistle, Poison Oak, Poison Ivy, Tree Sprouts, Blackberry, and many other growths.

Annual weeds are killed with one treatment. It may be necessary to burn perennial weeds twice, but after that you have no more trouble because the Flame Thrower kills weeds, seeds and all.

Very Quick and Practical for Disinfecting

Using it as a Disinfecting Torch, many poultrymen have discontinued the use of expensive sprays and chemicals. They depend entirely on torches for complete sanitation. Floors, walls and ceilings of brooder and laying houses can be quickly disinfected. The building is made clean and sterile, and dried out at the same time. (About 1,000 sq. ft. can be disinfected in an hour.)

When using torch where boards are oil soaked or splintery, it should be held so that only the intense heat ahead of the flame hits the surfaces to be disinfected.

Many other uses around poultry farms, dairies, dog kennels, homes, orchards, nurseries, factories, etc. Uses kerosene or distillate. Two different models to suit your needs.

Light and Portable, Yet Very Sturdily Constructed

Features of construction: **TANK**—All welded, 18 and 20 ga. steel, funnel top, 60-lb. air pressure gauge, powerful air pump, positive check valve, Neoprene oil-resisting gasket, canvas-carrying strap. **HOSE**—Four feet $\frac{3}{8}$ " oil-resisting. **VALVE**— $\frac{1}{4}$ " bronze needle valve to regulate fuel. **BURNER**—All welded, bronze fittings, steel coil. Flat flame nozzle on No. 47-25. **FLAME TEMPERATURE**—2,000 degrees F. **FUEL**—Kerosene, or stove distillate.

MANY USES — MANY USERS

Brower's Ker-O-Kil Flame Throwers have many, many uses, including the burning and killing of all annual and perennial weeds, burning rubbish, cleaning drainage ditches, cleaning weeds from walks, paths and driveways, disinfecting poultry and hog houses and equipment, melting ice and snow, thawing frozen switches, straightening axles, pipes and rods, thawing frozen pipes and machinery, splitting rocks, etc.

Used by Poultrymen, Dairy Operators, General Farmers, Home Owners, Contractors, Country Clubs, Cemeteries, Railroads, Schools, Plumbers, Roofers, Institutions, Ranches, Mechanics, Vegetable Growers, Fruit Growers, Highway Departments, Dog Kennels, Nurseries, Factories and many others.



Sterilizes buildings, runways, yards, watering and feeding equipment.



Burns weeds in driveways and walks.



Disinfects poultry houses.



Thaws frozen pipes, switches, etc.



Burns and kills weeds, destroys brush and rubbish.



Melts tar, prepares roofing materials, etc.



Model 44 Pictured

Prices and Specifications

No.	Handle	Capacity	Flame Spread	Length Flame	Shipping Weight	Price F. O. B. Quincy, Ill.
47-44	3-Ft. Double Grip					
	Straight Handle	4 gal.	18 in.	36 in.	21 lbs.	\$21.50
47-25	Tilted Carrying					
	Handle	4 gal.	1 ft.	18 in.	21 lbs.	21.50

NOTE: If Flame Thrower is to be used inside buildings, the No. 25 model with a small flame is more suitable. Be sure to specify the model you want, No. 25 or No. 44.

Coleman HANDY GAS PLANTS SPEEDY GAS HEAT AT LOW COST!

Particularly useful for Poultrymen, scalding poultry or cleaning equipment around laying houses, brooder houses, or broiler plants. Also very useful for sterilizing dairy cans, milkers and other dairy equipment. Many uses around homes and wherever hot water is needed in Restaurants, Hotels, Coffee Shops, Road Stands, Print Shops, Dairies, General Farms, Laboratories, Plumbing Shops, Doctors' and Dentists' Offices, Cleaning Shops and Manufacturing Plants.

Coleman Handy Gas Plants have been on the market for years—thousands in use! Very economical to operate. Provide a quick, sure, dependable method of heating water, cleaning solutions, etc., where regular city gas cannot be obtained or is unsatisfactory. Strong and durable in construction, stand up under the hardest kind

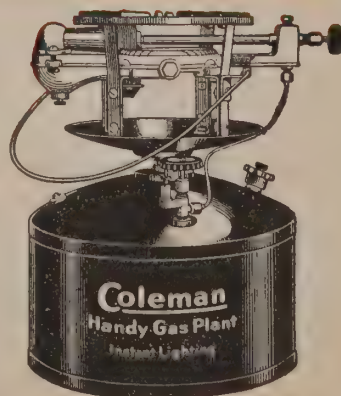
of usage. Provide clean, odorless, fast-action heat for every need.

The handy gas plant makes and burns its own gas from any good grade of clean gas free from anti-knock compounds.

Description—Price

No. 460G Coleman Handy Gas Plant is equipped with 7-inch burner for larger heat producing capacity. Produces up to 55,000 B.T.U.'s per hour. Heavy-duty construction. $8\frac{1}{2}$ -inch grate. 3-gallon heavy gauge steel tank, lead-coated, rust-resistant. Height, 16 inches. Diameter, 12 inches.

No. 47-460G—Handy Gas Plant. Shipping wt., 24 lbs. Price, each.....\$18.95 F. O. B. Quincy, Ill.



**Cleans-
Disinfects-
Sterilizes!**

HYPRESSURE

(Trade Mark Reg. U. S. Pat. Office)

Jenny

**THE ORIGINAL
FULLY PATENTED STEAM
VAPOR SPRAY CLEANER**

Cleans Poultry Equipment



Cleans Roosts, Hard-to-get-at Places



Cleans Dirt, Grease from Equipment Helps Control & Prevent Diseases



The steam cleaner that will do a real job for poultrymen, broiler raisers, dairymen, hatcherymen, general farmers and all businesses and industries where a powerful and effective instantaneous steam cleaner is needed. Does a wonderful job of cleaning dirt, droppings, grease, etc., from all types of poultry and farm equipment, and steam cleans walls, floors and ceilings for disinfecting or repainting purposes.

The most wonderful feature of Hypressure Jenny is that it disinfects and sterilizes at the same time it cleans. The U. S. Department of Agriculture states that steam is the most effective disinfectant known. When you use the special Hypressure Jenny cleaning compound (see page 62) you are doubly assured of an absolutely clean, sterilized surface.

Will Pay for Itself Within a Short Time

Anyone who has laboriously cleaned poultry equipment, other farm equipment, or the inside of buildings by hand knows how much time can be saved by a steam cleaner. Hypressure Jenny is already proven through 20 years of use. Now Hypressure Jenny comes to the poultryman, hatcheryman, farmer—offering more time and money saving, cost cutting and profit making uses per dollar invested than most any other piece of equipment. If you are looking for profit and need an efficient, time-and-money-saving method of cleaning, you certainly need Hypressure Jenny!

Average Operating Costs—

Fuel oil $1\frac{1}{2}$ - $2\frac{1}{2}$ gal. average per hour at 7c.....	11c	to 18c
Compound $\frac{1}{2}$ - $1\frac{1}{2}$ lb. average per hour.....	$7\frac{1}{2}$ c	to 23c
Electricity per hour.....	1c	to 2c
Water per hour.....	$\frac{1}{2}$ c	to 1c
Average Cost Per Hour.....	20c	to 44c

Simple to Operate

Hypressure Jenny, as pictured to the right, is all constructed under one attractive streamlined hood. Less than a minute after pressing the starting switch, Hypressure Jenny is ready to go to work for you. (See a few of the many uses below.)

It can be rolled right to the job on its own wheels, or loaded on a pick-up truck for easy moving. The controls are all grouped together on one panel for convenience, and it is completely self starting and automatic in operation. It can be easily and safely operated by any farm hand or helper.

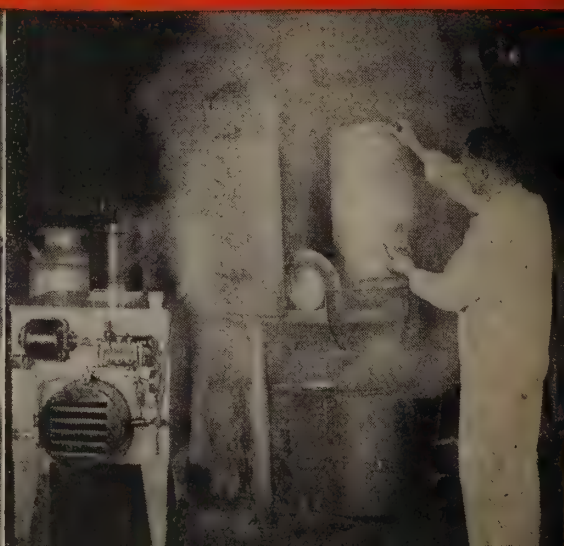
The Standard of Cleaning Effectiveness, Economy of Operation and Mechanical Perfection

A Few of the HUNDREDS of Uses

In less than one minute from a cold start, Hypressure Jenny produces a mixture of steam, hot water and cleaning compound. Its powerful, highly atomized vapor spray—

- ★ Sterilizes as it cleans—helps to control and prevent poultry and livestock diseases. Does the sterilizing and cleaning for a 16 to 20 cow dairy in 10 to 15 minutes at a cost of 7 cents.
- ★ Heats water for drinking and for mixing feed mash.
- ★ Can operate pasteurizer up to 200-gallon capacity. Only 32 minutes required to raise 200 gallons to pasteurizing temperature of 143° F.
- ★ Heats water for slaughtering. 200,000 to 250,000 B.T.U. output per hour. Raises 100 gallons of water to boiling point in less than half an hour.
- ★ Thaws frozen water pipes and other equipment.
- ★ Cleans and sterilizes broiler equipment, hatchery trays, roosts, drinking and feeding troughs, stalls, stanchions, mangers, milking equipment, milk cans, etc.
- ★ Cleans and disinfects poultry houses, floors, walls and ceilings in $\frac{1}{4}$ to $\frac{1}{2}$ the time required to do it by hand.
- ★ Cleans machinery and equipment in preparation for painting, repairing or storage, 8 to 10 times faster than by hand.

Sterilizes Dairy Utensils



INSTANTANEOUS STEAM CLEANER

**CLEANS 8 TO 10
TIMES FASTER**

Streamlined!

**Efficient!
Labor and Time
Saving!**

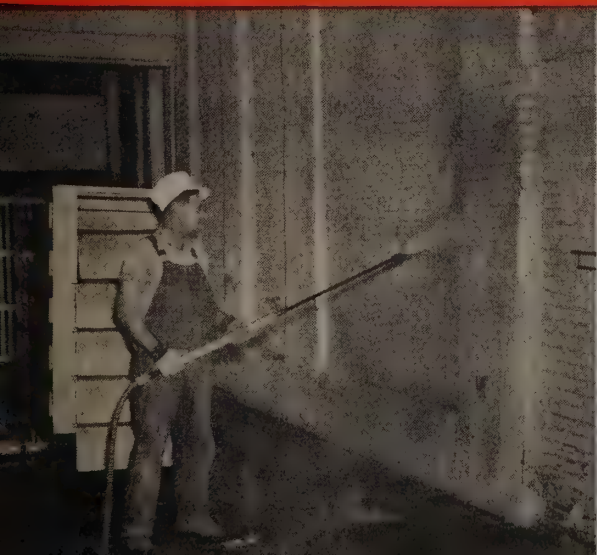


Above: A close-up view of the simplified control panel of the Hypressure Jenny—right at your fingertips for ease of operation. Starts at the flick of a switch and operates automatically. Any farm hand or helper can operate it.

for Hypressure Jenny

- ★ Cleans building exteriors in preparation for repainting.
- ★ Effectively sterilizes soil for seed beds by combining action of chemicals and heat. Using 5'x6' pan, Jenny vapor penetrates 9" of soil in 15 minutes.
- ★ Can be used to spray crops and orchards.
- ★ Cleans dirt, oil and grease from bodies and motors of tractors, automobiles, trucks, etc.
- ★ Cleans parts, etc., before repair work—thereby saving as much as 40 per cent of mechanics' time. Cracks and defects in parts are easily observed after steam cleaning and later breakdowns thereby averted.

Cleans Walls, Floors, Exteriors, Etc.



Dimensions and Specifications

Model JO super capacity Hypressure Jenny is furnished with oil burner as standard equipment. Operates at 80 to 120 pounds normal pressure and 90 gallons per hour water capacity. (See Adjusta-Blast Gun and cleaning compound on next page.)

UNIT CONSTRUCTION—Streamlined, steel fabricated, electric welded unit. Fully accessible and mounted machinery.

NOZZLE CONTROL—Saves fuel, compound, and operator's time. Gives operator complete control of steam spray generation right at the cleaning job.

MACHINERY COVER—Streamlined die-formed steel removable cover.

CONTROL PANEL—Full view. All controls mounted on single steel panel.

PORTABILITY—Large semi-steel wheels and steering tongue afford easy portability and maximum utility.

CONCENTRATED COMPOUND TANK (13-gal. capacity).

FUEL TANK (13-gal. capacity) with dirt and water sump.

OIL RESISTING, FLEXIBLE STEAM HOSE (25 ft.) with non-blow-off couplings; made especially for Hypressure Jenny.

COOL-GRIP CLEANING GUN with round nozzle and 2" and 4" flat nozzles.

RUBBER-COVERED DROP CORD (10 ft.) with plug-in connection.

NON-CLOGGING HEATING COILS; internal-combustion, concentric-coil type for highest over-all efficiency.

PRESSURE-ATOMIZING OIL BURNER with water-jacketed steel combustion chamber and non-carbonizing burner jet.

ELECTRIC SPARK IGNITION—Continuous and automatic.

TROUBLE-FREE WATER PUMP—Open plunger type with non-sticking check valves and life-long lubricated bearings.

TROUBLE-FREE FUEL PUMP—Open plunger type. Pumps dirty, gritty oil without loss of capacity or sticking. Life-long grease-sealed ball bearings.

CONTINUOUS-DUTY ELECTRIC MOTOR—Long-hour type, fractional H.P., 110 or 220-volt, 60-cycle, single phase, A.C.

DOUBLE-POLE STARTING SWITCH with thermal overload motor protection.

PRESSURE CONTROL—Instantly adjustable.

COMPOUND SOLUTION FEED—Instantly adjustable.

NOTE: Cold water supply hose is not included. Electric motors other than standard, extra. Furnished with gasoline motor on special order—write for information. Other optional equipment includes Adjusta-Blast Gun and cleaning compound as described on next page.

PRICE

No. JO—Oil Fired Hypressure Jenny Steam Cleaner. Price each, delivered..... **\$498.50***

The above price is for Hypressure Jenny complete with steam hose and gun, nozzle control, semi-steel wheels for portable operation, and streamlined hood as pictured and described above.

Approximate weights and dimensions—net weight 520 lbs., crated 620 lbs. Size, 55"x25"x47½".

Special Notice—Information Required With Order

Give specific electric lighting current available (not power circuit), single phase A.C. or D.C., cycles and voltage. Give description of service for which Jenny is to be used. Give shipping directions—all units will be shipped by freight unless otherwise ordered.

* Price may vary slightly due to changing motor prices.



**HYPRESSURE JENNY
STEAM
CLEANER**

HYPRESSURE *Jenny's* Adjusta-Blast Gun

**GIVES SUPER
CAPACITY UP
to 480 Gals.
AN HOUR**



The special Adjusta-Blast Gun, as pictured at left, when operated with Hypressure Jenny steam cleaner more than doubles cleaning capacity with no increase in fuel or electricity and no mechanism added to the machine. It gives you, right at the cleaning job, instant choice of—

1. High pressure steam-vapor spray, from 90 to 180 gallons per hour—1½ to 3 gallons per minute!
2. Adjustable hot water spray, from 90 to 480 gallons per hour—1½ to 8 gallons per minute!
3. Warm water spray for flushing or rinsing.
4. Cold water spray for flushing or rinsing.

Any of these types of spray may be had with or without cleaning compound. A turn of the valve does the trick. With the Adjusta-Blast Gun you have at your finger tips Hypressure Jenny steam vapor spray for grease and dirt removal, or an extra powerful 480 gallons per hour flushing or rinsing blast for melting snow and ice, etc., or a cold water rinse is available at a turn of the valve. Easily hooked up to your Hypressure Jenny.

Specifications and Price

Adjusta-Blast Gun is nickel plated with heat-resisting hand grip, control valves for steam vapor and extra water, and connections for steam and water hoses. Furnished with one section of extra quality lightweight flexible steam vapor hose with couplings (water supply hose not included). Also supplied with one adapter fitting for connecting Adjusta-Blast Gun water hose to Hypressure Jenny. Net weight for gun, hose, three-way fitting, 11 lbs.

F. O. B. Factory

Adjusta-Blast Gun—Price each, complete.....

\$35.00

HYPRESSURE *Jenny* CLEANING COMPOUNDS

Furnish 2 to 3 Times More Cleaning Per Pound

The best, most economical, and most effective compound for use with Hypressure Jenny Steam Cleaner. One-half to two-thirds less is required to do 100 per cent cleaning. Scientifically manufactured, this compound is highly concentrated. There are no fillers, abrasives, corrosives, or other injurious ingredients.

Contains powerful "wetting agent", "grease solvent", and "emulsifier", which assures deeper and faster penetration. Removes deposits almost instantly.

Made especially for use with Hypressure Jenny. Prevents clogging of coils, and damage to machinery. 100 per cent soluble. Free rinsing. Free from objectionable fumes and odors when used as directed.

HYPRESSURE JENNY COMPOUNDS

Hypressure Jenny Compound	Typical Uses	Quantity	List Price, F. O. B. Factory
Number 1	—FOR LIGHT DUTY CLEANING such as automobile motors, under fenders, chassis, parts, airplane engines, fuselages, etc.	400 lbs. 200 lbs.	11½¢ per lb. 12½¢ per lb.
Number 3	—FOR MEDIUM DUTY CLEANING such as machinery, trucks, buses, floors, bottling machinery, screw machines, forming presses, etc.	400 lbs. 200 lbs.	12½¢ per lb. 13½¢ per lb.
Number 49	—FOR HEAVY DUTY CLEANING of contractors' equipment, mill and mining machinery, artillery, tanks, etc., and for stripping oil base paints.	400 lbs. 200 lbs.	13½¢ per lb. 14½¢ per lb.
Number 49-S	—FOR EXTRA HEAVY DUTY CLEANING on applications similar to Number 49. Suitable only for use in unconfined areas.	400 lbs. 200 lbs.	14¢ per lb. 15¢ per lb.
Number 7	—FOR SOFTENING WATER. Use in addition to the regular HYPRESSURE JENNY Compounds in hard water districts.	400 lbs. 200 lbs.	11½¢ per lb. 12½¢ per lb.

**Any Mixture You
Want - At Your
Fingertips!**

What Satisfied Users Say About Their HYPRESSURE *Jenny*

Carl H. Schroeder in the "Larro Feeder," published by General Mills, Inc.

"One could not say that a steam sterilizer makes sanitation one of the delights of life on a poultry farm, but it certainly helps to reduce some of the drudgery inevitably associated with housecleaning, scrubbing and so forth. It's one of those things that makes you wonder how you ever got along without it. Out of curiosity we timed it the other day to see how long it took to get ready for use. Supplied with cold water from the regular water pipes, at near zero weather, it took the Jenny Sterilizer 45 seconds to get up 45 pounds of steam pressure."

Delbert Cook of Cook Poultry Farm, Farmingdale, New Jersey.

"Cleaning laying houses and brooder houses has always been the hardest, dirtiest and most

detested job on a poultry farm. On a plant this size it formerly took two to three months of steady, hard work for two or three men to clean up for the new pullets and for baby chicks. We can now do the same work with two men in less than three weeks.

"Not only has steam cleaning with the Hypressure Jenny made the work faster and easier; it also does a much better job. Now we not only clean, we sterilize at the same time.

"We expect our machine to pay for itself in labor savings the first year and are constantly finding new uses for it."

G. W. Sutton, Sutton Gasoline Company, Butler, Pa.

"Your Hypressure Jenny has been installed and used on my Dairy Farm since May, 1938.

It has been operated morning and evening every day, sterilizing bottles and milking equipment and furnishing hot water with satisfactory results.

"Once each week we use the vapor spray from this unit to steam out the water cups and mangers in our Dairy Barn and to thoroughly clean the floors and walls and ceilings of the barn. A special pipe line from the Hypressure Jenny has two outlets in our barn and another just outside the barn.

"The outside outlet is used on my tractor, trucks and other farm machinery to remove grease and dirt.

"I have a prize herd of Guernseys on my farm and all of my equipment has been carefully selected. I consider my Hypressure Jenny just right for its many jobs."

STEAM GENERATOR

For Sterilizing, Disinfecting and Pasteurizing—
Hot Water in 30 Seconds—Steam in 1½ Minutes

Poultry Farms, Broiler Plants, Hatcheries, Kennels and Produce Plants should save from one-third to one-half their time by using a first class steam generator for heating water to scald poultry, disinfect tanks, founts, water and feed pans, pails, etc.; also, prepare poultry for market; kills disease germs, and other forms of harmful bacteria.

Dairymen or Farmers handling milk should not think of operating their plant without a modern, tested steam generator for pasteurizing milk; also for sterilizing all dairy utensils where steam or hot water is required—milking machines, tanks, cans, bottles and pails. Fine for heating water for butchering hogs.

The value of time saved daily with a modern Francis Steam Generator should amount to many dollars, and in a few months more than pay cost of generator.

Models 56 and 78 "Just Right" for All-Purpose Use

Model 56 is an average capacity steam generator that will take care of all the hot water, scalding and disinfecting needs of the average poultrymen and hatchery owner. Also useful for dairymen and farmers using milking machines and milking equipment.

The Model 78 Generator is a larger model for installations where a greater capacity is needed. It will handle a 50-gallon tank or pasteurizer and is recommended for poultry raisers to scald poultry. In a dairy it is handy for sterilizing bottles and other equipment.

While not portable, steam from the Francis Generator can easily be piped a reasonable distance, in case it is desired to have steam in several different points in a large room, or even in several different rooms.

Descaler Furnished With Each Generator

Since the water in practically every locality in the United States will deposit a considerable amount of lime and sediment in the coils of a Steam Generator, a descaler is now included as standard equipment with each generator listed below. It is recommended that each purchaser of a Francis Steam Generator also obtain 5 gallons of descaling compound, which we recommend for use in this descaler. The price of a 5-gallon carboy of cleaning compound is \$15.00, as listed below.

Specifications and Prices

(Subject to Change Without Notice)

				PRICE F. O. B.—	
Model	Fuel	Over-all Size	Shipping Weight	Los Angeles, Calif.	Quincy, Ill.
47-56G	Gas	11½x50	115 lbs.	\$101.50	\$106.10
47-56D	Oil	11½x50	125 lbs.	\$124.50	\$129.90
47-78G	Gas	14 x62	200 lbs.	\$142.50	\$150.50
47-78D	Oil	14 x62	210 lbs.	\$171.50	\$180.30
47-DES	5 Gal. Descaling Compound		75 lbs.	\$15.00	

(Sold in 5-gallon quantities only)

NOTE: When ordering a gas-fired steam generator be sure to inform us if Butane or Propane Gas, or any other type of bottled gas is to be used, so the proper burner can be furnished. All models include a descaler, and 5-ft. steam hose and gun. Prices for oil-burning models include necessary stack for proper draft.

Recommended Uses of Francis Steam Generator

Dairies: Pasteurizing milk and preparation of all dairy products. Sterilizing and washing all dairy utensils, such as milking machines and lines, tanks, cans, bottles, pails, etc.

For the Wholesale Dairies (Sterilizing and Hot Water Only): 5 to 40 cow dairy or small hatchery or farm, Model 56D or 56G; 40 to 120 cow dairy or medium hatchery or farm, Model 78D or 78G.

Hatcheries: Scalding and preparing poultry for market. Washing and disinfecting tanks, founts, water and feed pans, grids, floors, and dropping pans. Killing disease germs and other forms of harmful bacteria.

Farms: Scalding stock in butchering. Canning and preserving. Providing hot water for crew quarters. Warming water for stock in winter.

Wineries: Pasteurizing. Hot water for all purposes.

Generator Guarantee

These generators, including the coils, are thoroughly tested before leaving the factory, and are fully guaranteed against defective materials or workmanship.

Generators are not guaranteed against burning out due to carelessness or clogging with alkali. To prolong the life of your coils, use No. 47-DES Descaler Compound regularly in your generator.

Why The Francis Steam Generator Is A Valuable Investment And Soon Pays Its Cost By The Saving Of Time And Labor

It requires only a half minute to have hot water; or 1½ minutes to generate steam. It is simple and safe. A boy, girl or woman can operate it.

Burns Natural, Artificial, or Bottle Gas, or Stove Oil (Termed No. 1 Fuel Oil or Heater Oil by some oil companies.) Your order must specify which fuel is to be used, as oil and gas models are not interchangeable.

Proven Test: At a test for the Milk Inspectors of Southern California at the Milk Transport Yards of Southern California, it generated steam in one minute, two seconds, and in less than four minutes it heated a four-can sterilizer to 210 degrees. A four-can sterilizer is about the standard size for a dairy of about 30 cows.

Low Cost Operation: Using Butane Gas, cost will be about 4½ cents per hour, or Fuel Oil, about 2 cents per hour; or \$2.50 to \$3.00 per month, to have all the hot water needed to sterilize all equipment for a 30-cow dairy.

How It Operates: Francis Steam Generators do not carry any storage of steam, as it escapes through the outlet valve as fast as it is generated. For this reason the pressure of the steam can never exceed your local water pressure while outlet valve is open. Some dairies use the Francis Steam Generator successfully on as low as 5 pounds' water pressure, the generator bringing a 4-can sterilizer up to 210 degrees in 4 to 8 minutes. (The Francis Steam Generator is not a high pressure steam cleaner, as are the Hypressure Jennys—pages 60 to 62.)

Safe and Easy to Operate: All Generators are equipped with a check valve, safety valve, pressure gauge, inlet valve and fuel valve, steam valve, descaler, drain cock, 5-ft. steam hose and gun. Oil-burners also equipped with stack. Shipped to you complete—all you do is connect up to water and fuel line.

Ninety per cent of the dairies in Southern California are equipped with Francis Steam Generators. The milk inspectors will not issue a permit to operate a dairy unless it is equipped with a steam generator.

SPRAYERS FOR EVERY PURPOSE

Banner Compressed Air Sprayer



4 Gallon Tank— Funnel Top

Sprays at Any Angle
Five Different Sprays

Sprays any liquid. Suitable for spraying vines, shrubbery, flowers, cotton, trees, disinfectants, cold water paints, whitewash, etc. Fine for removing wall paper. Galvanized steel tank, with graduation marks for measuring liquid. Tank heavily corrugated and double seamed—full 4-gallon capacity. Double bottom for double strength. Funnel top. Removable brass pump. 28 inches of 3/8-inch hose. 2-foot brass extension. Adjustable shoulder strap. Height 26 1/2 x 7 1/2 in. Swivel, non-clog, brass nozzle. Sprays 10 to 15 ft. high. Fully guaranteed.

No. 47-22G—Sprayer with Galvanized Tank, wt. 12 lbs. \$7.15

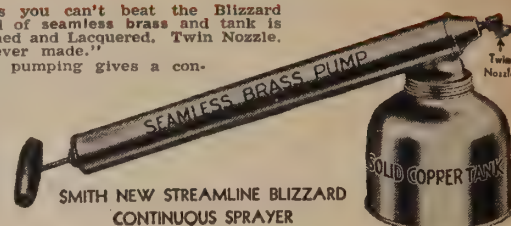
Mailable. F. O. B. Quincy, Ill., or Factory.

Streamline Blizzard Sprayer

For small spraying jobs you can't beat the Blizzard Sprayer. Pump constructed of seamless brass and tank is solid copper. Highly Polished and Lacquered. Twin Nozzle. It is "the finest sprayer ever made."

Continuous action—slow pumping gives a continuous unbroken mist spray. Will spray anything in liquid form.

Fine for insecticides and disinfectants used around poultry yards and houses. Also excellent for spraying insecticides on roses, flowers, garden plants. Very useful for spraying household fly spray, cattle spray, etc.



SMITH NEW STREAMLINE BLIZZARD CONTINUOUS SPRAYER

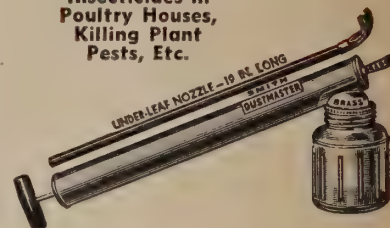
No. 47-14Q—Blizzard Sprayer with Seamless Brass Pump and Solid Copper Tank. Quart size, shipping weight, 2 lbs. F. O. B. Quincy, Ill. Price, each. \$3.05

Smith "Dustmaster" Dust Gun

A quality constructed Dust Gun with 19-inch long non-clog nozzle with attachment for dusting at any angle. Fine for dusting insecticide into nests, hard to reach corners, underside of plant leaves, etc. Dust is thoroughly broken up and an effective blast is produced uniformly and easily.

Constructed of heavy sheet tin, attractively lithographed in red. Tough, strong flint glass dust jar graduated for measuring. Capacity 25 oz. (liquid measure, 1 1/2 pints). Jar has same thread as fruit jar, easily replaced. Pump 20 in. long; diameter pump cylinder, 1 1/4 in.; length over-all when assembled, 40 in.

Fine for Dusting
Insecticides in
Poultry Houses,
Killing Plant
Pests, Etc.



No. 47-36D—Dustmaster. Weight, 2 1/2 lbs. Price, each. \$1.40 F. O. B. Quincy, Ill.

GIANT "ALL PURPOSE" WHEELBARROW SPRAYERS

For Every Spraying Need Around Poultry Farm or Broiler Plant. Sprays Disinfectants, Insecticides, Sprays, Whitewash, etc.

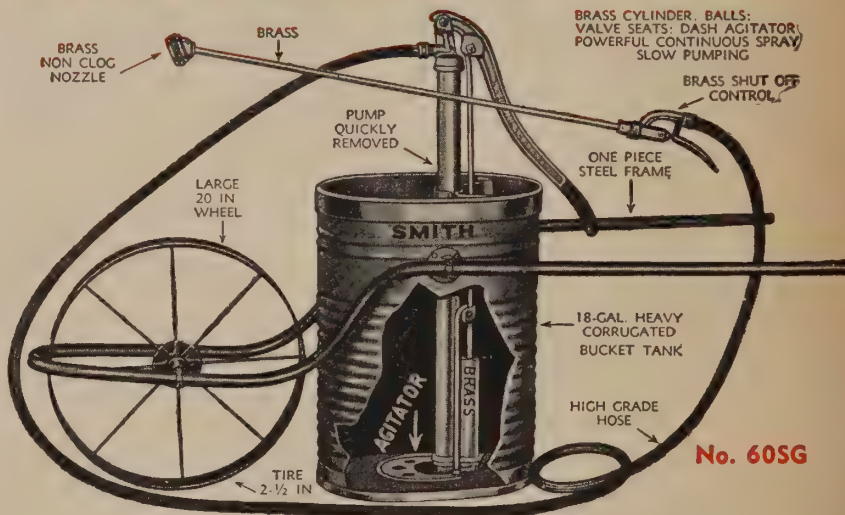
Smith Streamline Wheelbarrow Sprayers are the very latest equipment for heavy spraying duties around poultry farms, orchards, truck gardens, vineyards, nurseries, greenhouses and general farms. Two models are available, No. 60SG Wheelbarrow Sprayer for all general use, and No. 60SPG Wheelbarrow Sprayer with high pressure tank and two wheels.

Each Wheelbarrow Sprayer equipped with 18-gallon bucket tank, oval-shaped to keep the complete outfit narrow in width for wheeling in buildings and between narrow rows. Only 18 in. wide. Large 20-inch wheels with a 2 1/2-inch tread for easy, free wheeling and prevents cutting into the ground.

Powerful, Continuous Action Spray

The spray pump is very powerful with an exceptionally large compressed air chamber. It develops a high pressure so that with slow, easy pumping a constant high pressure is kept on the nozzle. Pump requires no priming. All working parts are heavy brass. The frame is one-piece heavy tubing. Whole sprayer is well balanced and easy to handle.

Model 60SPG which is equipped with a high pressure tank is guaranteed for 200 pounds pressure after it has been pumped up, which is easily done by slowly working the pump handle. The nozzle will then spray for a considerable length of time without further pumping. Easily operated by one man.



No. 60SG

SPECIFICATIONS:

Size—61 in. long by 38 in. high by 18 in. wide.

Solution Tank—Extra heavy Armco Zincgrip steel, oval in shape, heavily corrugated and reinforced. 18-gallon capacity.

Working Parts—All made of brass.

Mechanical Agitator—Keeps spraying solution thoroughly mixed by churning up and down at each stroke of handle.

Pump—Develops 200 to 250 pounds pressure on nozzle. Capacity, 2 1/2 gallons per minute.

Hose—12 ft., 1/2 in., best grade.

Extension Pipe—Heavy brass, 3 ft. long for elevating spray.

Nozzle—Brass, with shut-off control; two interchangeable spray discs for large, powerful mist, coarse spray, or solid stream—strainer prevents clogging. Five different sprays.

Truck Frame—Heavy steel pipe.

Wheel—20 in. with 2 1/2 in. tread. Two wheels on sprayer with pressure tank.

High Pressure Tank—(Furnished with Model 60SPG only). Welded steel plate, tested to 300 pounds pressure. Six-gallon capacity. Drain nut on bottom. Heavy-duty brass pressure gauge registering up to 250 pounds.

PRICES:

No. 47-60SG—Wheelbarrow Sprayer with 18-gallon Armco steel bucket tank and one steel wheel. Shipping weight, 65 lbs. Price. \$27.50

No. 47-60SPG—Wheelbarrow Sprayer with 18-gallon Armco steel bucket tank and high pressure tank with two steel wheels. Shipping weight, 97 lbs. (Not illustrated). Price. 48.50

Prices F. O. B. Quincy, Ill.

All Purpose Hand Sprayer



The handiest one pint sprayer you've ever seen for spraying and disinfecting around brooder and laying houses, and for household and garden spraying.

Light weight and compact, can be operated with one hand. Sprays a fine mist spray that penetrates cracks, crevices, etc. Attractive and neat in design.

Durable brass construction with heavy-duty flexible Neoprene connection.

No. 47-707—All-Purpose Sprayer. Weight 1 lb. Price, each. \$1.10

Postpaid in U. S. A.

CARBON DIOXIDE FIRE EXTINGUISHERS

Don't Take Chances of Losing
Your Investment Through Fire—
Protect Yourself Today!



Right—
Model 4
(Model 2
is of
Similar
Construc-
tion)

FIVE HANDY SIZES-ALL APPROVED BY UNDERWRITERS

Carbon Dioxide Fire Extinguishers — efficient — effective! You know how cold Carbon Dioxide or "dry ice" is—40° below zero. These new Fire Extinguishers use this extremely cold Carbon Dioxide gas to snuff out all types of fire, including grease, oil and electrical.

Does not damage or stain food, furniture, wallpaper, paint finish, clothing, motors, fuse boxes, or any other equipment. The carbon dioxide actually disappears after the fire is extinguished.

Easy and Safe to Operate

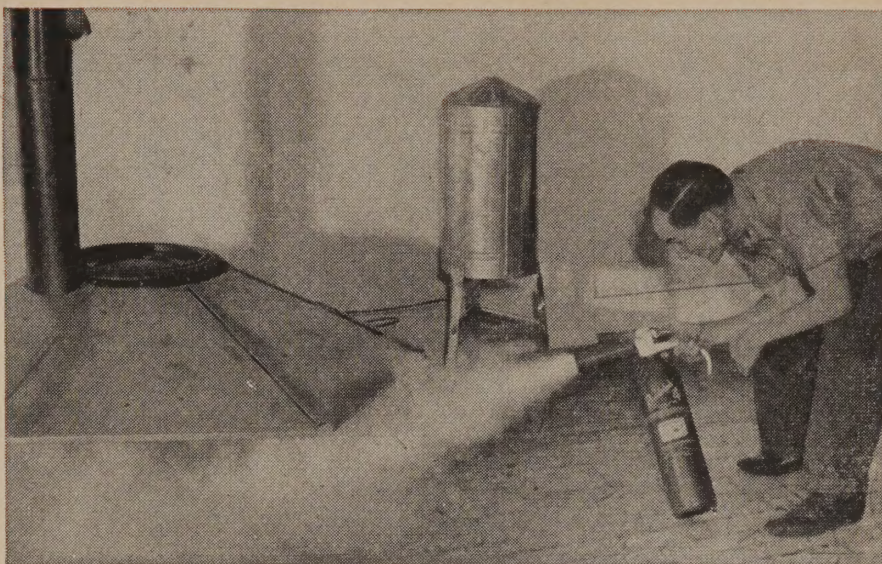
With these new type extinguishers, no experience is needed by the operator. Models 2 and 4 are aimed and operated with one hand. Models 10, 15 and 25 are larger models in which one hand is used to release the gas and the other hand to aim the "gun" which can be directed to the very heart of the fire.

A totally inexperienced operator can save material, property and even life by proper action. The fire is extinguished by the 40-degree below zero cooling effect, and at the same time the oxygen around the fire is eliminated, making it impossible for it to continue burning.

Immediate Recharge Service

Randolph Carbon Dioxide Fire Extinguishers are fool-proof. Annual recharging, cleaning and repairing is not necessary. All that is necessary is to weigh the Extinguisher periodically to make sure the Carbon Dioxide charge is at sufficient strength.

Prompt extinguisher recharge service is available at your local carbonic gas company or at the Brower Manufacturing Company, Quincy, Illinois. This service includes testing, filling and sealing. A recharge tag indicating the exact recharge date is wired to each unit.



Specifications and Prices

Models 2 and 4 —Are recommended for homes, boats, automobiles, brooder houses, incubators, hatcheries, feed stores, trucks, tractors, offices, tourist cabins.

Lightweight and compact—featuring thumb touch valve release, self-aimed nozzle and balanced arched grip handle. Supplied complete with bracket to mount on wall.

No. 47-2—Carbon Dioxide Fire Extinguisher. 17½ in. long, 3½ in. cylinder diameter, 7½ in. nozzle. Shipping weight 12½ lbs. Price each.....**\$15.00**

No. 47-4—Carbon Dioxide Fire Extinguisher. 18¾ in. long, 4½ in. cylinder diameter, 6 in. nozzle. Shipping weight 19 lbs. Price each.....**\$24.00**

Models 10 and 15 —Larger capacity "carried type"—for hatcheries, feed stores, farms, sheds, brooder houses, incubator rooms, implement sheds, garages, trailer camps, warehouses, basements, electrical shops.

Equipped with long hose and nozzle with trigger-valve release, for fighting hard to get at fires. Model 10 contains 10 lbs. liquid carbon dioxide and Model 15 contains 15 lbs. for additional protection. Shipped complete with wall mounting bracket.

No. 47-10—Carbon Dioxide Fire Extinguisher. 22½ in. long, 6½ in. cylinder diameter, 5 ft. 10½ in. nozzle length. Shipping weight 45 lbs. Price each.....**\$41.25**

No. 47-15—Carbon Dioxide Fire Extinguisher. 36½ in. long, 6½ in. cylinder diameter, 6 ft. 8½ in. nozzle length. Shipping weight 60 lbs. Price each.....**\$48.30**

Model 25 —Larger capacity for use in implement sheds, dairy barns, paint shops, factories, offices, large area hazards.

Mounted on rubber wheels—can be rolled quickly and easily to scene of action. Instantly delivers a smothering, heavy blanket—10 to 20 ft. arch. Carbon Dioxide gas is instantly released with palm trigger—no valve to adjust.

No. 47-25—Carbon Dioxide Fire Extinguisher. (Not Illustrated.) 38½ in. long, 8½ in. cylinder diameter, 8 ft. hose and nozzle length. Shipping weight 125 lbs. Price each.....**\$68.10**

All Prices F. O. B. Quincy, Illinois.

S-O-S FIRE GUARD 1 and 1½ Quart Sizes

Don't take chances of heavy losses from brooder, barn, home or business fires caused by spilled fuel, improper wiring, lightning, carelessly tossed matches, or any other of the hundreds of other causes of fire. The new Brower Fire Extinguisher will pay for itself many times over if used to put out only one fire! Also very handy for car, truck, tractor, boat, home and airplane use.

Simple, Reliable Operating Mechanism

Carbon Tetrachloride type extinguisher with Underwriters' Laboratories seal of approval. Highly polished seamless drawn brass. Pressed steel Parkerized and enameled bracket furnished with each extinguisher. Puts out every kind of fire, including grease, oil and electrical (does not conduct electricity). Will not deteriorate or freeze — resists clogging and leaking. Height 13½".

No. 47-85HD—1-Qt. Fire Extinguisher. Shipping weight, 8 lbs. Price, each.....**\$10.40**

No. 47-95HD—1½-Qt. Fire Extinguisher. Shipping weight, 10 lbs. Price, each.....**12.80**

No. 47-VL60—1-Qt. Fluid. Shipping weight, 6 lbs. Price, each.....**1.50**

All Prices F. O. B. Quincy, Ill.



TERMS OF SALE AND SHIPPING SERVICE

In the past, our well-trained staff has in most cases maintained a 3 to 5 hours' shipping service. This service is the foundation of Brower's business. We will continue to do our best. However, during these trying times there will be delays in obtaining many materials, delays in transportation of finished products. It is for this reason we suggest you anticipate your requirements at least 30 days in advance of the time when you will need your equipment.

REGULAR TERMS OF SALE—On orders under \$10.00, remit cash. On orders of \$10.00 or more, remit 25% of total value with order; balance payable C.O.D. All prices in this catalog are F. O. B. Quincy, Illinois, unless otherwise specified, and are subject to change without notice.

GUARANTEED DELIVERY OF PARCEL POST SHIPMENTS—An additional charge is made for Guaranteed Delivery of Parcel Post shipments, according to the following rates:

Valuation	Amount
\$0.01 to \$ 5.00.....	\$0.03 + postage
5.01 to 25.00.....	.10 + postage
25.01 to 50.00.....	.15 + postage
50.01 to 200.00.....	.25 + postage

All orders for cash in advance should have the proper amount included in the remittance for guaranteed delivery and postage.

The chart below shows the approximate time under normal conditions for Freight, Truck, Express and Parcel Post Shipments and for regular and air mail to reach destination.

TAX—Illinois and California customers must add the correct amount of occupational or sales tax to their orders, as set by state laws. No tax on shipments to other states at present.

FOREIGN TERMS—Cheque with order (U. S. Funds) or deposit of amount of order with agent or banker in New York, San Francisco or any port of embarkation, against shipping documents.

DAMAGES OR SHORTAGES—If a shipment arrives damaged or short any parts, have the delivery agent make a notation of the shortage or damage on your Express, Postal or Freight receipt and file your claim immediately. If we can assist you in getting settlement of claim we shall be glad to do so.

OVERSEA SHIPMENTS—An Export Boxing Charge . . . costing 15 to 20%, depend-

ing upon weight of equipment . . . is necessary on shipments to all foreign countries, except Canada and Mexico, where U. S. domestic packing is acceptable to the transportation companies.

RETURNED GOODS—In no case do we accept the return of merchandise, unless customer has received permission from our Claim Department, authorizing its return. Merchandise returned without our permission, will be allowed to remain at the freight office at your expense. Be sure to attach letter of explanation to package.

ERRORS—We are very careful in filling all orders; nevertheless, in the rush of business, errors are likely to occur at times. In case of a mistake on your order notify us at once and we will cheerfully and promptly correct it.

STATE	Freight Shipment by Railroad, Truck	EXPRESS SHIPMENTS	PARCEL POST SHIPMENTS	REGULAR LETTER MAIL	LETTER BY AIR MAIL
Alabama	3 to 4 Days.	2 Days	2 to 2½ Days	1 Day	12 to 24 Hours
Arizona	4 to 6 Days.	2 to 3 Days	4 Days	3 to 4 Days	12 to 24 Hours
Arkansas	3 to 4 Days.	1 to 2 Days	2 Days	1 Day	10 to 15 Hours
California	7 to 10 Days.	3½ to 4 Days	4 Days	3½ to 4 Days	16 to 20 Hours
Colorado	3 to 4 Days.	1 to 2 Days	2 to 3 Days	1 to 2 Days	10 Hours
Connecticut	6 to 7 Days.	3 Days	4 Days	2 to 3 Days	12 to 20 Hours
Delaware	6 to 7 Days.	2 to 2½ Days	3 Days	1½ to 2 Days	12 to 20 Hours
Florida	5 to 6 Days.	2 to 3 Days	4 Days	2 to 2½ Days	10 to 15 Hours
Georgia	4 to 5 Days.	2 Days	3 Days	1 to 2 Days	10 to 15 Hours
Idaho	6 to 7 Days.	3 Days	4 Days	3 to 3½ Days	16 to 24 Hours
Illinois	6 to 30 Hours.	6 to 24 Hours	1 to 2 Days	3 to 12 Hours	1 to 4 Hours
Indiana	1 to 3 Days.	1 Day	1 to 2 Days	7 to 16 Hours	4 to 6 Hours
Iowa	1 to 3 Days.	1 Day	2 Days	3 to 15 Hours	4 to 6 Hours
Kansas	3 to 5 Days.	1 Day	2 Days	8 to 24 Hours	8 to 10 Hours
Kentucky	3 to 5 Days.	2 Days	3 Days	8 to 24 Hours	8 to 10 Hours
Louisiana	3 to 5 Days.	2 Days	3 Days	1 to 2 Days	10 to 12 Hours
Maine	7 to 9 Days.	3 Days	4 Days	3 Days	10 to 12 Hours
Maryland	5 to 6 Days.	2 Days	3 Days	18 to 24 Hours	12 to 15 Hours
Massachusetts	6 to 7 Days.	3 Days	4 Days	24 to 36 Hours	15 to 18 Hours
Michigan	3 to 4 Days.	2 Days	2 to 2½ Days	24 to 30 Hours	10 to 12 Hours
Minnesota	3 to 5 Days.	1 to 1½ Days	2 to 2½ Days	12 to 36 Hours	6 to 10 Hours
Mississippi	4 to 5 Days.	2 Days	2 to 2½ Days	24 Hours	8 to 10 Hours
Missouri	6 to 30 Hours.	6 to 24 Hours	1 to 2 Days	3 to 24 Hours	5 to 6 Hours
Montana	6 to 7 Days.	3 Days	4 Days	2½ to 3 Days	12 to 20 Hours
Nebraska	3 to 5 Days.	2 Days	2 to 3 Days	12 to 30 Hours	8 to 10 Hours
Nevada	6 to 8 Days.	3 Days	4 Days	3 to 4 Days	18 to 20 Hours
New Hampshire	7 to 8 Days.	3 Days	4 Days	3 Days	12 to 15 Hours
New Jersey	6 to 7 Days.	3 Days	4 Days	24 to 30 Hours	10 to 12 Hours
New Mexico	6 to 8 Days.	3 Days	4 Days	2½ to 3 Days	10 to 12 Hours
New York	4 to 6 Days.	2 Days	3 Days	1 to 1½ Days	8 to 10 Hours
North Carolina	4 to 5 Days.	2 Days	3 Days	2 to 2½ Days	10 to 12 Hours
North Dakota	4 to 6 Days.	2 Days	3 Days	1½ to 2 Days	10 to 12 Hours
Ohio	3 to 4 Days.	1½ to 2 Days	2 to 3 Days	12 to 24 Hours	5 to 10 Hours
Oklahoma	3 to 4 Days.	1 Day	2 to 2½ Days	24 to 36 Hours	6 to 12 Hours
Oregon	7 to 10 Days.	3 to 3½ Days	4 Days	3 to 4 Days	24 to 30 Hours
Pennsylvania	4 to 6 Days.	2 Days	3 to 4 Days	16 to 30 Hours	6 to 10 Hours
Rhode Island	6 to 7 Days.	3 Days	4 Days	24 Hours	10 to 12 Hours
South Carolina	4 to 5 Days.	2½ Days	4 Days	2 to 3½ Days	10 to 12 Hours
South Dakota	3 to 5 Days.	2 Days	3 Days	18 to 24 Hours	8 to 10 Hours
Tennessee	4 to 5 Days.	2 to 2½ Days	3 Days	10 to 30 Hours	6 to 8 Hours
Texas	4 to 7 Days.	2 to 3 Days	2 to 3 Days	18 to 36 Hours	10 to 20 Hours
Utah	5 to 7 Days.	3 Days	4 Days	3 to 4 Days	16 to 20 Hours
Vermont	6 to 7 Days.	2 to 3 Days	4 Days	2 to 2½ Days	15 to 20 Hours
Virginia	4 to 5 Days.	2 to 2½ Days	3 Days	1 to 2 Days	7 to 10 Hours
Washington	7 to 10 Days.	3 to 3½ Days	5 Days	3 to 3½ Days	24 to 30 Hours
West Virginia	3 to 5 Days.	2 Days	3 Days	20 to 30 Hours	6 to 8 Hours
Wisconsin	2 to 4 Days.	1 to 1½ Days	2 to 2½ Days	8 to 24 Hours	3 to 6 Hours
Wyoming	5 to 6 Days.	2 Days	3 Days	24 to 36 Hours	10 to 12 Hours
Washington, D. C.	4 to 5 Days.	2 to 2½ Days	3 Days	18 to 24 Hours	12 to 15 Hours

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NEW!

BROWER'S ALL-BRASS Flock Fountains ~ 5 & 8 Gal.

GUARANTEED FOREVER AGAINST RUST!

ELECTRIC AND OIL HEATED AUTOMATIC FLOAT VALVE FOUNTS

AGAIN Brower's comes to the front with a brand-new item for poultry raisers—an item destined to become an outstanding leader of the poultry equipment field!

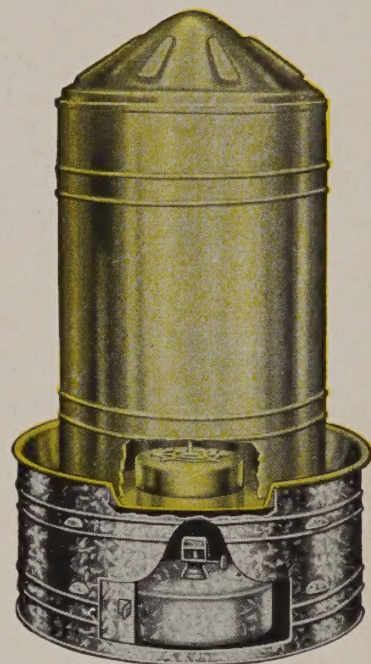
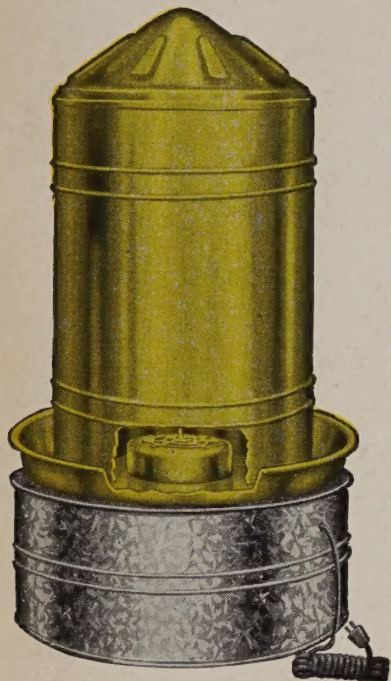
Brower's ALL-BRASS Flock Fountains have been developed after months of testing, research, and planning by Brower factory engineers. We have produced a Fountain that will last many years longer than other founts—a Fountain that is more durable and more satisfactory in every way, because IT WILL NOT RUST OR CORRODE like Galvanized Steel Fountains. Not affected by climatic conditions. While the initial cost of an All-Brass Fount is greater, its many extra years of trouble-free service and guarantee against rusting, makes it the most profitable buy in the long run.

Fountains complete less heater base very sturdily constructed throughout of heavy brass. Heater base of heavy galvanized steel.

All-Brass Fountains are equipped with Brower's Automatic Brass Float Valves, which automatically control water to proper level in drinking pans. Large capacity drinking pans are 16½" diameter, 2" deep, with 2" wide drinking space. Tank 12" diameter.

OIL HEATED model (at right) furnished with large heater base, 16" diameter, 9" high, and equipped with sliding door. Oil bowl fitted with powerful lamp burner and holds 1½ quarts of oil which will burn for several days. Low fuel cost.

ELECTRIC HEATED model (left) also equipped with large heater base, 16" diameter, 6" high. Equipped with One Year Guaranteed CHROMALOX Heating Element with a Micro Snap Action Switch which automatically controls the temperature of the water. Turns the heater on at 50° F. and off at 55° F. Micro Switch is set at factory—no adjustments to make. Low electric cost. Furnished for 110-120 volt A.C. only, 6-ft. extension cord, ready to plug in.



Chromalox Heating Units and Micro Snap Action Switches

GUARANTEED 1 YEAR

Another outstanding feature of the All-Brass Founts is the use of genuine CHROMALOX Heating Units. They are made of Nickel Chromium Wire embedded in a special refractory and enclosed in a metal sheet. Precision made on specially designed machines, every Chromalox Unit is subject to rigid electrical tests to assure completely satisfactory operation.

The Chromalox heating elements and Micro switches are TOPS!

FEATURES OF CONSTRUCTION

Easy to CLEAN, CARRY, and FILL! Brower's ALL-BRASS Float Type Fountain has the sanitary feature that water in the drinking pan does not come in contact with water in the tank. All parts removable for easy cleaning. Roost-proof top, quickly removed for easy filling. Automatic Brass Float Valve cannot be injured by freezing. Valve shuts off flow of water when tank is lifted out of pan. Convenient carrying handles in top of tank.

Supply YOUR flocks with Brower's NEW All-Brass Heated Founts, and your winter watering problems are solved. With tempered water at all times during winter months, hens will lay 25 per cent more eggs. As 67 per cent of an egg is water, founts are a valuable investment.

Electric Heated Founts

F. O. B. Quincy, Ill.

No. 47-B5E—Cap., 5 gal.; 110-120 volt—A.C. only; wt., 12 lbs. Each.....\$10.90
No. 47-B8E—Cap., 8 gal.; 110-120 volt—A.C. only; wt., 15 lbs. Each.....12.15

Oil Heated Founts

No. 47-B5L—Cap., 5 gal.; wt., 12 lbs. Each.....\$ 9.30
No. 47-B8L—Cap., 8 gal.; wt., 15 lbs. Each.....10.50
Hen capacity—5 gal. up to 75 hens; 8 gal. up to 100 hens—FOR ONE DAY.

3, 5 AND 8 GAL. ALL-BRASS FLOAT FOUNTAINS

FOR CHICKS, PULLETS and HENS (Construction Same As) Above Fountains

Here is another great Brower first . . . the answer to poultrymen the country over who for years have been looking for a Fount that can take it.

A real "tuffy," Brower's ALL-BRASS Fount was designed particularly for those sections where even the best galvanized Founts are completely rusted out in only a year's time. This brass fount is guaranteed forever against rust . . . won't corrode . . . there's just no wear-out to it. It will prove the cheapest to buy regardless of cost.

Your Fount worries are over when you use Brower's ALL-BRASS Fount . . . NO MORE YEAR-AFTER-YEAR REPLACEMENT . . . NO MORE MESSY, DAMP FLOORS OR HOUSES TO CAUSE COLDS AND DISEASE because of rusty, leaky founts. Brass surface will stay smooth . . . easier to keep clean and sanitary.

Equipped with AUTOMATIC BRASS FLOAT VALVES that freezing won't injure. SANITARY—water in drinking pan does not come in contact with water in tank. All parts removable for easy cleaning. Valve shuts off water when tank is lifted out of pan. Convenient carrying handle.

Can be used for hens, also chicks, pullets, broilers, etc. Supply one 8-gallon fount for 150 growing birds or 100 hens; one 5-gallon fount for 100 growing birds or 75 hens; one 3-gallon fount for 150 chicks for one day.

No. 47-B3—3-Gal. Fountain. Pan size, 12" dia.; 1¾" deep; 1½" wide.
Wt., 6 lbs. Each.....\$4.50
No. 47-B5—5-Gal. Fountain. Pan size, 16½" dia.; 2" deep; 2" wide.
Wt., 9 lbs. Each.....7.05
No. 47-B8—8-Gal. Fountain. Pan size, 16½" dia.; 2" deep; 2" wide.
Wt., 10 lbs. Each.....8.25

F. O. B. Quincy, Ill.

[67]



FROM A *Basket* OF EGGS TO THE *Giant* OF THE POULTRY EQUIPMENT INDUSTRY



(Reprinted from
"Plastics Progress,"
Published by the Chicago
Molded Products Corporation)

Down in the little town of Grafton, Illinois, a teen-age lad made what to him, was an important investment. That was 57 years ago; so that the \$2.50 which Bill Brower spent for a starting of choice hatching eggs represented the better part of a week's hard-earned wages. You may be sure, therefore, that he took good care of them, and made his first hatching pay. Soon W. J. Brower was paying \$15.00 for a setting of eggs and his love for poultry developed into considerably more than a hobby.

It was about that time that he began his business career as clerk in the local hardware and implement company. He did not remain a clerk long, however. Because of his sound business sense, he advanced through one promotion after another until he was made Secretary-Treasurer of the company. Meanwhile, he had not for a moment lost his interest in and love for poultry. After his marriage, he operated five 250-egg incubators in the cellar of his house with the morning and evening help of his wife and two sons, Bernard and Leonard. The first year they cleared \$273.00 from the sale of day-old chicks and ducklings.

Started in 1922 With \$700

After a number of business connections, W. J. Brower decided he could do better in his own business. So in 1922 he moved to Quincy, Illinois, with his family. He takes a great deal of pride in telling how he started the Brower Manufacturing Company in Quincy with an investment of only \$700.

His first place of business was a one-room office with a floor area of 10x12 feet. He had just one employee and evenings at home with the help of his wife and two daughters, he mailed out circulars to the poultrymen. The first items he offered for sale were a non-freeze poultry fountain and shipping boxes for eggs and chicks. It is interesting to observe that each of these early products was "something new" for its time. The poultry farmers of the United States, long accustomed to supplying water in ordinary pans, were new to the idea of a poultry fount, let alone one which would not freeze up in cold weather.

The present huge hatchery industry was just getting its start, and the idea of shipping chicks in boxes was just beginning. Of course, everyone remembers how the general stores in those days sold eggs out of the basket. The customer carried them home in a sack.

Sales of the Brower Products in the first year amounted to \$22,000. Though this sum was not large, the response of the trade convinced W. J. Brower and his sons that they were on the right track and they kept their feet right in the middle of the poultry equipment business from that time on. The young company was incorporated in November, 1927.

An interesting fact about the Brower Company is that for the first thirteen years of its twenty-five-year existence, it did not actually manufacture a single product. Everything advertised and sold through the Brower catalog was made to Brower specifications by some other company. It is a high tribute to the ability of W. J. Brower and his sons, B. J. and L. J., that they were able to advertise merchandise and sell poultry products at a profit to the actual manufacturers as well as to themselves.

The Browsers have always firmly believed in an aggressive merchandising program, and in the past 24 years have spent approximately seven hundred thousand dollars for advertising. Since the start, Brower advertising has regularly appeared in the leading poultry, farm and trade journals in the United States and foreign countries.

From a Boy's Hobby, Brower Mfg. Co. Has Become the Largest Supplier to the \$2,577,000,000* Poultry Industry

One Expansion Step After Another

The growth of the Brower business is so phenomenal that it was a natural thing to begin the actual manufacture of poultry equipment.

The development of battery brooders and broiler plants necessitated still more manufacturing space, and the business, factory and all equipment of two other large poultry equipment manufacturers of Quincy were acquired in 1938 and 1939.

These expansion steps put the Brower Manufacturing Company of Quincy at the very top of the poultry equipment industry in the United States. The Brower catalogs widely advertised that 475 different items were carried, constituting the "World's Largest Line of Poultry Supplies."

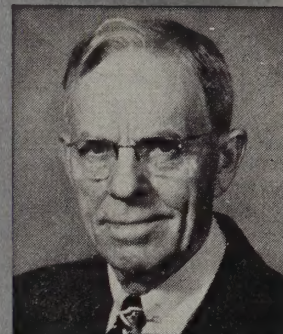
No matter what the poultryman's requirements, there is a Brower item which will exactly fit his needs.

While the Brower Manufacturing Company has made tremendous strides in its first 25 years of service to the poultry industry, it plans to go forward at an even faster rate in the future.

Brower high quality poultry equipment and other supplies are now sold in the United States and foreign countries by over 12,000 dealers and jobbers. Hundreds of thousands of poultry and broiler raisers use and recommend Brower poultry equipment.

Perhaps the best indication of the methods which are responsible for Brower Manufacturing Company's success is to be found in its simple and straight-forward 30-day trial guarantee: "We guarantee every article to be as represented and to do what we claim. Use any Brower item for 30 days. If it does not do as we represent or claim, we will make good by replacing the merchandise or refunding full purchase price."

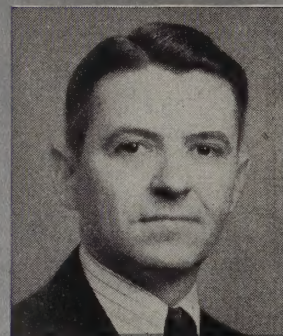
*In 1945 the cash farm income from poultry and eggs was over 2½ billion dollars. In more exact figures, it was \$2,577,000,000, or over \$7,000,000 daily cash income from poultry and eggs. Remember, every day is a payday on the poultry farm.



W. J. BROWER
President

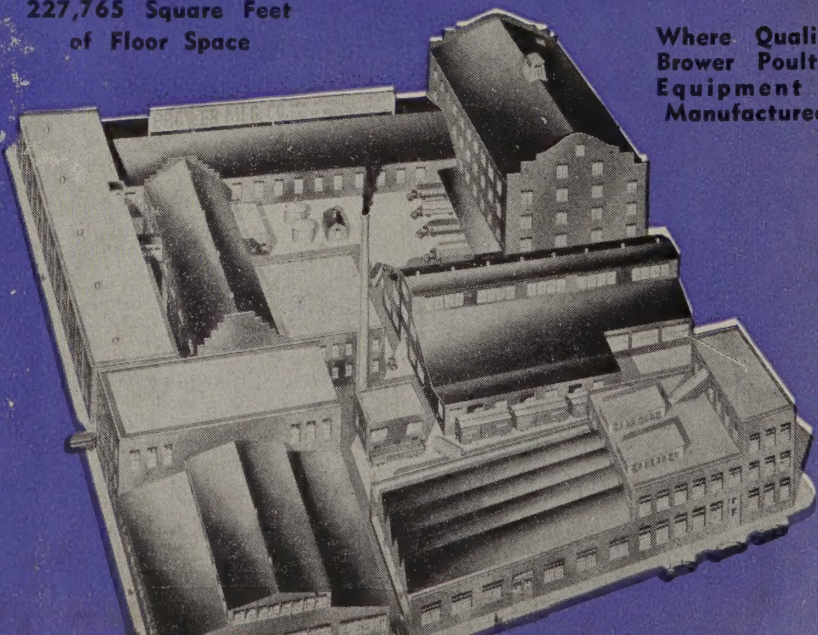


B. J. BROWER
Vice-President



L. J. BROWER
Secretary-Treasurer

227,765 Square Feet
of Floor Space



Where Quality
Brower Poultry
Equipment Is
Manufactured